



Memorandum

To: Stephanie Vaughn (USEPA)
Elizabeth Buckrucker (USACE)

From: Sharon Budney (CDM Smith)
George Molnar (CDM Smith)

Date: March 20, 2012

Re: Status Report (January 9 to February 10, 2012)
CPG Oversight of the Low Resolution Coring Supplemental Sampling Program
Lower Passaic River Restoration Project

On behalf of the United States Environmental Protection Agency (EPA) and the United States Army Corps of Engineers (USACE), Kansas City District, CDM Federal Programs Corporation (CDM Smith) provided oversight of the Cooperating Parties Group (CPG) remedial investigation/feasibility study (RI/FS) field activities associated with the Low Resolution Coring Supplemental Sampling Program (LRCSSP) in the Lower Passaic River (LPR).

CDM Smith oversight activities were conducted January 9 through February 10, 2012. Oversight included the observation of sediment core and grab sample collection and processing. All activities were conducted in accordance with the *Lower Passaic River Restoration Project, Low Resolution Coring Supplemental Sampling Program Quality Assurance Project Plan (QAPP), Revision 2, dated January 2012*.

Photographs of field activities can be found in Attachment 1. Split samples collected over the course of the LRCSSP are presented in Attachment 2. Copies of split sample Chain-of-Custodies (COCs) can be found in Attachment 3. Copies of logbook notes can be found in Attachment 4.

General Summary

Oversight consisted of observations of on-river and off-river sample collection and processing activities conducted by CPG subcontractors, AECOM, Gravity Environmental, L.L.C (Gravity), Ocean Surveys, Inc. (OSI), and Miller's Launch.

CPG field crews navigated to each location using a mast-mounted global positioning system (GPS) unit programmed with the correct coordinates. Each day's locations along with the vessel location were indicated on OSI's navigation software. The vessel was navigated to and anchored over each location using this software. Locations were verified by oversight staff using Worksheet #18 and the maps provided in AECOM's QAPP.

Sediment cores were collected and processed as either low resolution cores (LRC) or high resolution cores (HRC). Low resolution cores were collected at each location according to a scheme that divided each core into segments ranging from 0.5 foot to 1 foot long. Samples from LRCs were analyzed for a list of analytes including but not limited to polycyclic aromatic hydrocarbons (PAHs), metals, cyanide, semi-volatile organic compounds (SVOCs), total petroleum hydrocarbon extractables (TPH), total organic carbon (TOC), and grain size. High resolution cores were collected at each location excluding two locations within the 2005 Environmental Dredging Pilot Study area, and were divided into 0.25 foot segments. Each HRC segment was analyzed for lead²¹⁰.

All sediment cores were collected using a pneumatic vibratory corer equipped with a 5-foot core barrel. At each core location water depth was recorded, the core barrel was fitted with a decontaminated 4-inch diameter polybuterate core liner, and the corer was advanced to the desired depth. The core barrel was then brought to the surface and the core liner was removed from the core barrel. Measurements were made of each core in order to determine total recovery. If recovery was satisfactory (greater than 80 percent), the cores were labeled and transported via a small work boat to either the CPG facility dock or the Arlington dock (located next to the Route 7 bridge) where they were then transported by truck to the CPG facility. During transport to the docks and CPG facility, the cores were kept upright and stored in specially built coolers with ice. A detailed COC form was used to track each core as it was transported to the facility.

In addition to sediment cores, grab samples were also collected at each location using a pneumatic Powergrab sampler. Prior to the collection of each grab sample, the Powergrab sampler was decontaminated according to Level III decon procedures outlined in AECOM's field SOP LPR-G-03 for Equipment Decontamination. At each location, water depth was measured and the Powergrab sampler was lowered to the river bottom and the pneumatic buckets were closed. The sampler was brought to the surface, excess water was siphoned from the bucket, and sediment depth was measured to ensure that at least 6 inches of material was recovered. For each successful grab sample collected, a detailed description of the material was recorded, the sample was screened for volatile organic compounds (VOCs) using a photoionization detector (PID), and aliquots were removed and placed in jars for the appropriate analyses, including acid-volatile sulfides (AVS) and simultaneously extracted metals (SEM), total phosphate, Total Kjeldahl Nitrogen (TKN), and ammonia as nitrogen. All samples were stored in a cooler with ice and transported back to the CPG facility along with the sediment cores.

At the CPG facility, sediment cores were stored upright in a walk-in refrigerator kept at 0 - 6° Celsius until ready for processing. Each core was processed individually in a ventilated tent. Individual cores were weighed and drained of excess water. In the case of LRCs, the top 0 - 0.5 foot section of material was removed and processed as interval "A". In the case of HRCs, the top 0.5 foot was divided into 0.25 foot segments and then processed. Following removal of the top 0.5 foot of material, the core was cut open, photographed, and lithologically logged. Intervals below interval "A" were interval "B", from 0.5 to 1.5 feet, and interval "C", from 1.5 to 2.5 feet. Sediment from each interval below interval "A" was carefully placed into decontaminated stainless-steel bowls, screened for VOCs and mercury (LRCs only),

photographed (LRCs only), and homogenized using stainless-steel spoons. The homogenized sediment from each interval was then placed into the appropriate sample jars which were labeled, entered into AECOM's sample tracking system, and placed back into the walk-in refrigerator until ready for shipment.

AECOM collected a total of 253 LRC analytical samples, 782 analytical samples from HRCs, and 78 analytical samples from grab samples. CDM Smith collected a total of 27 split samples from the LRCs which accounted for just over 10% to fulfill split sample requirements.

Summary of Weekly Oversight Activities

The following is a summary of weekly activities observed during the course of the LRCSSP field effort:

Week 1 (January 9 – January 13). CDM Smith oversight staff observed the collection of cores and grab samples at locations 12A-0463, 12A-0462, 12A-0464, 12A-0460, 12A-0473, and only cores at 12A-0451.

CDM Smith staff observed the processing of cores 12A-0463, 12A-0462, 12A-0454, 12A-0464, 12A-0460, and 12A-0451.

Split samples were collected from location 12A-0460.

Week 2 (January 16 – January 20). CDM Smith oversight staff observed the collection of cores and grab samples at locations 12A-0467, 12A-0479, 12A-0420, and only cores at 12A-0484.

CDM Smith staff observed the processing of cores 12A-0467, 12A-0479, 12A-0484, 12A-0483, and 12A-0482.

Split samples were collected from locations 12A-0479 and 12A-0484.

Additional items/issues noted:

- At location 12A-0467, there was only about 6 inches of sediment above native material, so only interval "A" was able to be processed.
- No grab sample was able to be collected at 12A-0484 after nine attempts.
- At location 12A-0485, little to no non-native sediment was found in the cores and no grab sample was able to be collected after nine attempts.

Week 3 (January 23 – January 29). CDM Smith oversight staff observed the collection of cores and grab samples at locations 12A-0429, 12A-0433, 12A-0424, 12A-0407, and 12A-0444

CDM Smith staff observed the processing of cores 12A-0420, 12A-0429, 12A-0425, 12A-0422, 12A-0415, and 12A-0423

Split samples were collected from locations 12A-0420, 12A-0425, and 12A-0422.

Additional items/issues noted:

- On January 23, no work was able to be performed on the river due to poor visibility.
- On January 24 AECOM began using two coring boats on site in order to expedite the sampling program.

Week 4 (January 30- February 3). CDM Smith oversight staff observed the collection of cores, and grab samples at locations 12A-0472, 12A-0449, 12A-0404, 12A-0480, and 12A-0465, and grab samples at 12A-0454 and 12A-0453

CDM Smith staff observed the processing of cores 12A-0406, 12A-0418, 12A-0417, 12A-0447, 12A-0459, 12A-0446, 12A-458, and 12A-0486.

Split samples were collected from locations 12A-0418, 12A-0417, and 12A-0447.

Week 5 (February 6 - February 10). CDM Smith oversight staff observed the collection of cores and grab samples at locations 12A-0476, 12A-0477, 12A-0456, and only cores at 12A-0452. Overstaff also observed the attempted collection of cores and grab samples at 12A-0466; however, due to a rocky substrate, none were able to be collected.

CDM Smith staff observed the processing of cores 12A-0452, 12A-0465, 12A-0408, 12A-0410, 12A-0448, 12A-0440, 12A-0482, 12A-0456, and 12A-0468.

No split samples were collected this week.

Additional items/issues noted:

No usable cores or grab samples were able to be successfully collected at 12A-0466 (as noted above).

Attachment 1
Photographs

Lower Passaic River Restoration Project – Supplemental Sampling Program

The research vessel Will-Do



Vibra-coring on the Will-Do



The research vessel Can-Do



The vibracore and grab sampler (left) on the Can-Do



Transferring sediment core from the Can-Do to the transport vessel



Placing a core into the holding rack on the transport vessel



Decontaminating a core catcher



Decontaminating the Powergrab sampler



Sample processing tent inside CPG facility



Sample packing area inside CPG facility



Waste storage area inside CPG facility



Decontamination area inside CPG facility



Exhaust hood for decontaminating with solvents inside CPG facility



Core settling/dewatering station inside processing tent



Core photographing station inside processing tent



Core logging and PID/mercury vapor testing station inside core processing tent



Placing sediment from core into steel bowl for homogenization



Station for placing homogenized sediment into sampling jars for lab analysis



Attachment 2
Split Sample Summary Table

CDM Smith Split Sample Identification Table
Second Supplemental Sampling Oversight
Lower Passaic River Restoration Project
Lower Passaic River, New Jersey

Sample ID ¹	Location	Core No. / Interval	Depth (ft)	QC Sample	Date Collected	Time Collected	PAHs	Pest	PCB Cong.	PCDD/PCDF	SVOCs	TPH	Met + Ti	Hg	TOC
13B-0564-G2AS-C	13B-0564	G2AS	0 - 0.5		9/24/2013	14:57	X	X	X	X					
13B-0564-G2AS-C	13B-0564	G2AS	0 - 0.5		9/24/2013	14:57					X		X		
13B-0564-G2AS-C	13B-0564	G2AS	0 - 0.5		9/24/2013	14:57						X			
13B-0564-G2AS-C	13B-0564	G2AS	0 - 0.5		9/24/2013	14:57								X	
13B-0564-G2AS-C	13B-0564	G2AS	0 - 0.5		9/24/2013	14:57									X
13B-0547-C2AS-C	13B-0547	C2AS	0 - 0.5		9.23.2013	18:25	X	X	X	X					
13B-0547-C3AS-C	13B-0547	C3AS	0 - 0.5		9/24/2013	08:35					X		X		
13B-0547-G1AS-C	13B-0547	G1AS	0 - 0.5		9/24/2013	09:50						X			
13B-0547-C3AS-C	13B-0547	C3AS	0 - 0.5		9/24/2013	08:35								X	
13B-0547-C3AS-C	13B-0547	C3AS	0 - 0.5		9/24/2013	08:35									X
13B-0530-C1AS-C	13B-0530	C1AS	0 - 0.5		9/25/2013	13:00	X	X	X	X					
13B-0530-C3AS-C	13B-0530	C3AS	0 - 0.5		9/25/2013	13:50					X		X		
13B-0530-C4AS-C	13B-0530	C4AS	0 - 0.5		9/25/2013	14:50						X			
13B-0530-C3AS-C	13B-0530	C3AS	0 - 0.5		9/25/2013	13:50								X	
13B-0530-C4AS-C	13B-0530	C4AS	0 - 0.5		9/25/2013	14:50									X
13B-0530-C1BS-C	13B-0530	C1BS	0.5 - 1.5		9/25/2013	13:00	X	X	X	X					
13B-0530-C3BS-C	13B-0530	C3BS	0.5 - 1.5		9/25/2013	13:50					X		X		
13B-0530-C4BS-C	13B-0530	C4BS	0.5 - 1.5		9/25/2013	14:50						X			
13B-0530-C3BS-C	13B-0530	C3BS	0.5 - 1.5		9/25/2013	13:50								X	
13B-0530-C4BS-C	13B-0530	C4BS	0.5 - 1.5		9/25/2013	14:50									X
13B-0533-C2CS-C	13B-0533	C2CS	1.5 - 2.5		9/26/2013	09:27	X	X	X	X					
13B-0533-C3CS-C	13B-0533	C3CS	1.5 - 2.5		9/26/2013	10:11					X		X		
13B-0533-C3CS-C	13B-0533	C3CS	1.5 - 2.5		9/26/2013	10:11						X			
13B-0533-C2CS-C	13B-0533	C2CS	1.5 - 2.5		9/26/2013	09:27								X	
13B-0533-C3CS-C	13B-0533	C3CS	1.5 - 2.5		9/26/2013	10:11									X
13B-0533-C2BS-C	13B-0533	C2BS	0.5 - 1.5		9/26/2013	09:27	X	X	X	X					
13B-0533-C3BS-C	13B-0533	C3BS	0.5 - 1.5		9/26/2013	10:11					X		X		
13B-0533-C3BS-C	13B-0533	C3BS	0.5 - 1.5		9/26/2013	10:11						X			
13B-0533-C2BS-C	13B-0533	C2BS	0.5 - 1.5		9/26/2013	09:27								X	
13B-0533-C3BS-C	13B-0533	C3BS	0.5 - 1.5		9/26/2013	10:11									X

CDM Smith Split Sample Identification Table
Second Supplemental Sampling Oversight
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Sample ID ¹	Location	Core No. / Interval	Depth (ft)	QC Sample	Date Collected	Time Collected	PAHs	Pest	PCB Cong.	PCDD/PCDF	SVOCs	TPH	Met + Ti	Hg	TOC
13B-0560-C1BS-C	13B-0560	C1BS	0.5 - 1.5		9/27/2013	12:35	X	X	X	X					
13B-0560-C3BS-C	13B-0560	C3BS	0.5 - 1.5		9/27/2013	14:00					X		X		
13B-0560-C3BS-C	13B-0560	C3BS	0.5 - 1.5		9/27/2013	14:00						X			
13B-0560-C1BS-C	13B-0560	C1BS	0.5 - 1.5		9/27/2013	12:35								X	
13B-0560-C3BS-C	13B-0560	C3BS	0.5 - 1.5		9/27/2013	14:00									X
13B-0560-C1CS-C	13B-0560	C1CS	1.5 - 2.5		9/27/2013	12:35	X	X	X	X					
13B-0560-C3CS-C	13B-0560	C3CS	1.5 - 2.5		9/27/2013	14:00					X		X		
13B-0560-C3CS-C	13B-0560	C3CS	1.5 - 2.5		9/27/2013	14:00						X			
13B-0560-C1CS-C	13B-0560	C1CS	1.5 - 2.5		9/27/2013	12:35								X	
13B-0560-C3CS-C	13B-0560	C3CS	1.5 - 2.5		9/27/2013	14:00									X
13B-0559-C3CS-C	13B-0559	C3CS	1.5 - 2.5		9/30/2013	13:08	X	X	X	X					
13B-0559-C2CS-C	13B-0559	C2CS	1.5 - 2.5		9/30/2013	12:00					X		X		
13B-0559-C2CS-C	13B-0559	C2CS	1.5 - 2.5		9/30/2013	12:00						X			
13B-0559-C3CS-C	13B-0559	C3CS	1.5 - 2.5		9/30/2013	13:08								X	
13B-0559-C2CS-C	13B-0559	C2CS	1.5 - 2.5		9/30/2013	12:00									X
13B-0559-C3AS-C	13B-0559	C3AS	0 - 0.5		9/30/2013	13:08	X	X	X	X					
13B-0559-C2AS-C	13B-0559	C2AS	0 - 0.5		9/30/2013	12:00					X		X		
13B-0559-C2AS-C	13B-0559	C2AS	0 - 0.5		9/30/2013	12:00						X			
13B-0559-C2AS-C	13B-0559	C2AS	0 - 0.5		9/30/2013	12:00								X	
13B-0559-C2AS-C	13B-0559	C2AS	0 - 0.5		9/30/2013	12:00									X
13B-0503-C1AS-C	13B-0503	C1AS	0 - 0.5		9/30/2013	08:54	X	X	X	X					
13B-0503-C2AS-C	13B-0503	C2AS	0 - 0.5		9/30/2013	09:32					X		X		
13B-0503-C2AS-C	13B-0503	C2AS	0 - 0.5		9/30/2013	09:32						X			
13B-0503-C1AS-C	13B-0503	C1AS	0 - 0.5		9/30/2013	08:54								X	
13B-0503-C2AS-C	13B-0503	C2AS	0 - 0.5		9/30/2013	09:32									X
13B-0501-C1BS-C	13B-0501	C1BS	0.5 - 1.5		10/1/2013	10:53	X	X	X	X					
13B-0501-C1BS-C	13B-0501	C1BS	0.5 - 1.5		10/1/2013	10:53					X		X		
13B-0501-C2BS-C	13B-0501	C2BS	0.5 - 1.5		10/1/2013	11:34						X			
13B-0501-C1BS-C	13B-0501	C1BS	0.5 - 1.5		10/1/2013	10:53								X	
13B-0501-C1BS-C	13B-0501	C1BS	0.5 - 1.5		10/1/2013	10:53									X

CDM Smith Split Sample Identification Table
Second Supplemental Sampling Oversight
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Lower Passaic River, New Jersey

Sample ID ¹	Location	Core No. / Interval	Depth (ft)	QC Sample	Date Collected	Time Collected	PAHs	Pest	PCB Cong.	PCDD/PCDF	SVOCs	TPH	Met + Ti	Hg	TOC
13B-0501-C1CS-C	13B-0501	C1CS	1.5 - 2.5		10/1/2013	10:53	X	X	X	X					
13B-0501-C1CS-C	13B-0501	C1CS	1.5 - 2.5		10/1/2013	10:53					X		X		
13B-0501-C2CS-C	13B-0501	C2CS	1.5 - 2.5		10/1/2013	11:34						X			
13B-0501-C1CS-C	13B-0501	C1CS	1.5 - 2.5		10/1/2013	10:53								X	
13B-0501-C1CS-C	13B-0501	C1CS	1.5 - 2.5		10/1/2013	10:53									X
13B-0574-C2AS-C	13B-0574	C2AS	0 - 0.5		10/2/2013	09:05	X	X	X	X					
13B-0574-C3AS-C	13B-0574	C3AS	0 - 0.5		10/2/2013	10:00					X		X		
13B-0574-C1AS-C	13B-0574	C1AS	0 - 0.5		10/2/2013	08:25						X			
13B-0574-C1AS-C	13B-0574	C1AS	0 - 0.5		10/2/2013	08:25								X	
13B-0574-C3AS-C	13B-0574	C3AS	0 - 0.5		10/2/2013	10:00									X
13B-0574-C2AT-C	13B-0574	C2AT	0 - 0.5	Dup	10/2/2013	09:05	X	X	X	X					
13B-0574-C3AT-C	13B-0574	C3AT	0 - 0.5	Dup	10/2/2013	10:00					X		X		
13B-0574-C1AT-C	13B-0574	C1AT	0 - 0.5	Dup	10/2/2013	08:25						X			
13B-0574-C1AT-C	13B-0574	C1AT	0 - 0.5	Dup	10/2/2013	08:25								X	
13B-0574-C3AT-C	13B-0574	C3AT	0 - 0.5	Dup	10/2/2013	10:00									X
13B-0574-C2CS-C	13B-0574	C2CS	1.5 - 2.5	MS/MSD	10/2/2013	09:05	X	X	X	X					
13B-0574-C1CS-C	13B-0574	C1CS	1.5 - 2.5	MS/MSD	10/2/2013	08:25					X		X		
13B-0574-C1CS-C	13B-0574	C1CS	1.5 - 2.5	MS/MSD	10/2/2013	08:25						X			
13B-0574-C2CS-C	13B-0574	C2CS	1.5 - 2.5	MS/MSD	10/2/2013	09:05								X	
13B-0574-C1CS-C	13B-0574	C1CS	1.5 - 2.5	MS/MSD (except for TOC)	10/2/2013	08:25									X
13B-0571-C3BS-C	13B-0571	C3BS	0.5 - 1.5		10/4/2013	08:30	X	X	X	X					
13B-0571-C4BS-C	13B-0571	C4BS	0.5 - 1.5		10/4/2013	10:00					X		X		
13B-0571-C3BS-C	13B-0571	C3BS	0.5 - 1.5		10/4/2013	08:30						X			
13B-0571-C3BS-C	13B-0571	C3BS	0.5 - 1.5		10/4/2013	08:30								X	
13B-0571-C4BS-C	13B-0571	C4BS	0.5 - 1.5		10/4/2013	10:00									X
13B-0567-G2AS-C	13B-0567	G2AS	0 - 0.5		10/4/2013	08:14	X	X	X	X					
13B-0567-G2AS-C	13B-0567	G2AS	0 - 0.5		10/4/2013	08:14					X		X		
13B-0567-G2AS-C	13B-0567	G2AS	0 - 0.5		10/4/2013	08:14						X			
13B-0567-G2AS-C	13B-0567	G2AS	0 - 0.5		10/4/2013	08:14								X	
13B-0567-G2AS-C	13B-0567	G2AS	0 - 0.5		10/4/2013	08:14									X

CDM Smith Split Sample Identification Table
Second Supplemental Sampling Oversight
Lower Passaic River Restoration Project
Lower Passaic River, New Jersey

Sample ID ¹	Location	Core No. / Interval	Depth (ft)	QC Sample	Date Collected	Time Collected	PAHs	Pest	PCB Cong.	PCDD/PCDF	SVOCs	TPH	Met + Ti	Hg	TOC
13B-0571-C3CS-C	13B-0571	C3CS	1.5 - 2.5		10/4/2013	08:50	X	X	X	X					
13B-0571-C3CS-C	13B-0571	C3CS	1.5 - 2.5		10/4/2013	08:50					X		X		
13B-0571-C4CS-C	13B-0571	C4CS	1.5 - 2.5		10/4/2013	10:00						X			
13B-0571-C3CS-C	13B-0571	C3CS	1.5 - 2.5		10/4/2013	08:50								X	
13B-0571-C3CS-C	13B-0571	C3CS	1.5 - 2.5		10/4/2013	08:50									X
13B-0556-C2AS-C	13B-0556	C2AS	0 - 0.5		10/7/2013	09:12	X	X	X	X					
13B-0556-C3AS-C	13B-0556	C3AS	0 - 0.5		10/7/2013	09:45					X		X		
13B-0556-C1AS-C	13B-0556	C1AS	0 - 0.5		10/7/2013	08:42						X			
13B-0556-C1AS-C	13B-0556	C1AS	0 - 0.5		10/7/2013	08:42								X	
13B-0556-C3AS-C	13B-0556	C3AS	0 - 0.5		10/7/2013	09:45									X
13B-0511-C3BS-C	13B-0511	C3BS	0.5 - 1.5		10/8/2013	10:15	X	X	X	X					
13B-0511-C1BS-C	13B-0511	C1BS	0.5 - 1.5		10/8/2013	09:08					X		X		
13B-0511-C1BS-C	13B-0511	C1BS	0.5 - 1.5		10/8/2013	09:08						X			
13B-0511-C3BS-C	13B-0511	C3BS	0.5 - 1.5		10/8/2013	10:15								X	
13B-0511-C1BS-C	13B-0511	C1BS	0.5 - 1.5		10/8/2013	09:08									X
13B-0527-C2AS-C	13B-0527	C2AS	0 - 0.5	MS/MSD	10/8/2013	12:06	X	X	X	X					
13B-0527-C1AS-C	13B-0527	C1AS	0 - 0.5	MS/MSD	10/8/2013	11:38					X		X		
13B-0527-C3AS-C	13B-0527	C3AS	0 - 0.5	MS/MSD	10/8/2013	12:33						X			
13B-0527-C3AS-C	13B-0527	C3AS	0 - 0.5	MS/MSD	10/8/2013	12:33								X	
13B-0527-C1AS-C	13B-0527	C1AS	0 - 0.5	MS/MSD (except for TOC)	10/8/2013	11:38									X
13B-0527-C2CS-C	13B-0527	C2CS	1.5 - 2.5		10/8/2013	12:06	X	X	X	X					
13B-0527-C3CS-C	13B-0527	C3CS	1.5 - 2.5		10/8/2013	12:33					X		X		
13B-0527-C2CS-C	13B-0527	C2CS	1.5 - 2.5		10/8/2013	12:06						X			
13B-0527-C2CS-C	13B-0527	C2CS	1.5 - 2.5		10/8/2013	12:06								X	
13B-0527-C3CS-C	13B-0527	C3CS	1.5 - 2.5		10/8/2013	12:33									X
13B-0527-C2CT-C	13B-0527	C2CT	1.5 - 2.5	Dup	10/8/2013	12:06	X	X	X	X					
13B-0527-C3CT-C	13B-0527	C3CT	1.5 - 2.5	Dup	10/8/2013	12:33					X		X		
13B-0527-C2CT-C	13B-0527	C2CT	1.5 - 2.5	Dup	10/8/2013	12:06						X			
13B-0527-C2CT-C	13B-0527	C2CT	1.5 - 2.5	Dup	10/8/2013	12:06								X	
13B-0527-C3CT-C	13B-0527	C3CT	1.5 - 2.5	Dup	10/8/2013	12:33									X

CDM Smith Split Sample Identification Table
Second Supplemental Sampling Oversight
Lower Passaic River Restoration Project
Lower Passaic River, New Jersey

Sample ID ¹	Location	Core No. / Interval	Depth (ft)	QC Sample	Date Collected	Time Collected	PAHs	Pest	PCB Cong.	PCDD/PCDF	SVOCs	TPH	Met + Ti	Hg	TOC
13B-0521-C2CS-C	13B-0521	C2CS	1.5 - 2.5		10/9/2103	9:15	X	X	X	X					
13B-0521-C3CS-C	13B-0521	C3CS	1.5 - 2.5		10/9/2103	9:51					X		X		
13B-0521-C2CS-C	13B-0521	C2CS	1.5 - 2.5		10/9/2103	9:15						X			
13B-0521-C2CS-C	13B-0521	C2CS	1.5 - 2.5		10/9/2103	9:15								X	
13B-0521-C3CS-C	13B-0521	C3CS	1.5 - 2.5		10/9/2103	9:51									X
13B-0521-C2AS-C	13B-0521	C2AS	0 - 0.5		10/9/2103	09:15	X	X	X	X					
13B-0521-C3AS-C	13B-0521	C3AS	0 - 0.5		10/9/2103	09:51					X		X		
13B-0521-C3AS-C	13B-0521	C3AS	0 - 0.5		10/9/2103	09:51						X			
13B-0521-C2AS-C	13B-0521	C2AS	0 - 0.5		10/9/2103	09:15								X	
13B-0521-C3AS-C	13B-0521	C3AS	0 - 0.5		10/9/2103	09:51									X
13B-0531-C2CS-C	13B-0531	C2CS	1.5 - 2.5		10/14/2013	9:21	X	X	X	X					
13B-0531-C1CS-C	13B-0531	C1CS	1.5 - 2.5		10/14/2013	8:48					X		X		
13B-0531-C2CS-C	13B-0531	C2CS	1.5 - 2.5		10/14/2013	9:21						X			
13B-0531-C2CS-C	13B-0531	C2CS	1.5 - 2.5		10/14/2013	9:21								X	
13B-0531-C1CS-C	13B-0531	C1CS	1.5 - 2.5		10/14/2013	8:48									X

Note:

1. CDM Smith sample IDs (listed in this table) are the same as AECOM sample IDs followed by "-C" at the end.

Acronyms:

Dup - duplicate

ft - feet

Hg - mercury

ID - identification

Met - metals

MS/MSD - matrix spike/matrix spike duplicate

No. - Number

PAHs - polycyclic aromatic hydrocarbons

PCB Cong. - polychlorinated biphenyl congeners

PCDD - polychlorinated dibenzodioxins

PCDF - polychlorinated dibenzofurans

Pest - pesticides

QC - quality control

SVOCs - semi-volatile organic compounds

Ti - titanium

TOC - total organic carbon

TPH - total petroleum hydrocarbons

CDM Split Sample Identification Table
Supplemental Sediment Sampling Oversight
Lower Passaic River Restoration Project
Lower Passaic River, New Jersey

Sample ID ¹	Location	Core No. /Interval	Depth (ft)	QC Sample	Date Collected	Time Collected	PAHs	Pest	PCB Cong	PCDD/ PCDF	SVOC s	TPH	Met + Ti	Hg	TOC
12A-0460-C1AS-C	12A-0460	C1AS	0 - 0.5		1/11/2012	8:31	X	X	X	X				X	
12A-0460-C3AS-C	12A-0460	C3AS	0 - 0.5		1/11/2012	9:15					X	X	X		X
12A-0460-C1BS-C	12A-0460	C1BS	0.5 - 1.5		1/11/2012	8:31	X	X	X	X		X		X	
12A-0460-C3BS-C	12A-0460	C3BS	0.5 - 1.5		1/11/2012	9:15					X		X		X
12A-0460-C1CS-C	12A-0460	C1CS	1.5 - 2.5		1/11/2012	8:31	X	X	X	X		X		X	
12A-0460-C3CS-C	12A-0460	C3CS	1.5 - 2.5		1/11/2012	9:15					X		X		X
12A-0478-C2AS-C	12A-0478	C2AS	0 - 0.5		1/17/2012	12:22	X	X	X	X				X	
12A-0478-G1AS-C	12A-0478	G1AS	grab		1/17/2012	11:28					X		X		X
12A-0478-C1AS-C	12A-0478	C1AS	0 - 0.5		1/17/2012	12:04						X			
12A-0478-C2BS-C	12A-0478	C2BS	0.5 - 1.5		1/17/2012	12:22	X	X	X	X				X	
12A-0478-C1BS-C	12A-0478	C1BS	0.5 - 1.5		1/17/2012	12:04					X	X	X		X
12A-0478-C2CS-C	12A-0478	C2CS	1.5 - 2.5		1/17/2012	12:22	X	X	X	X		X		X	
12A-0478-C1CS-C	12A-0478	C1CS	1.5 - 2.5		1/17/2012	12:04					X		X		X
12A-0478-C2BS-CX	12A-0478	C2BS	0.5 - 1.5	Dup	1/17/2012	12:22	X	X	X	X				X	
12A-0478-C1BS-CX	12A-0478	C1BS	0.5 - 1.5	Dup	1/17/2012	12:04					X	X	X		X
12A-0484-C8AS-C	12A-0484	C8AS	0 - 0.5		1/18/2012	10:02	X	X	X	X		X		X	
12A-0484-C4AS-C	12A-0484	C4AS	0 - 0.5		1/18/2012	8:40					X		X		X
12A-0484-C8BS-C	12A-0484	C8BS	0.5 - 1.5		1/18/2012	10:02	X	X	X	X	X		X	X	X
12A-0484-C4BS-C	12A-0484	C4BS	0.5 - 1.5		1/18/2012	8:40						X			
12A-0484-C8CS-C	12A-0484	C8CS	1.5 - 2.5		1/18/2012	10:02	X	X	X	X		X		X	
12A-0484-C4CS-C	12A-0484	C4CS	1.5 - 2.5		1/18/2012	8:40					X		X		X
12A-0420-C2AS-C	12A-0420	C2AS	0 - 0.5		1/23/2012	9:33	X	X	X	X				X	
12A-0420-G1AS-C	12A-0420	G1AS	grab		1/23/2012	10:11					X	X	X		X
12A-0420-C2BS-C	12A-0420	C2BS	0.5 - 1.5		1/23/2012	9:33	X	X	X	X		X		X	
12A-0420-C1BS-C	12A-0420	C1BS	0.5 - 1.5		1/23/2012	9:17					X		X		X
12A-0420-C2CS-C	12A-0420	C2CS	1.5 - 2.5		1/23/2012	9:33	X	X	X	X		X		X	
12A-0420-C1CS-C	12A-0420	C1CS	1.5 - 2.5		1/23/2012	9:17					X		X		X
12A-0425-C2AS-C	12A-0425	CSAS	0 - 0.5		1/24/2012	13:50	X	X	X	X				X	
12A-0425-C4AS-C	12A-0425	C4AS	0 - 0.5		1/24/2012	14:44					X	X	X		X
12A-0425-C2BS-C	12A-0425	C2BS	0.5 - 1.5	MS/MSD	1/24/2012	13:50	X	X	X	X		X		X	
12A-0425-C4BS-C	12A-0425	C4BS	0.5 - 1.5	MS/MSD (except for TOC)	1/24/2012	14:44					X		X		X
12A-0425-C2CS-C	12A-0425	C2CS	1.5 - 2.5		1/24/2012	13:50	X	X	X	X		X		X	
12A-0425-C4CS-C	12A-0425	C4CS	1.5 - 2.5		1/24/2012	14:44					X		X		X
12A-0422-C5AS-C	12A-0422	C5AS	0 - 0.5		1/24/2012	16:03	X	X	X	X					

CDM Split Sample Identification Table
Supplemental Sediment Sampling Oversight
Lower Passaic River Restoration Project
Lower Passaic River, New Jersey

Sample ID ¹	Location	Core No. /Interval	Depth (ft)	QC Sample	Date Collected	Time Collected	PAHs	Pest	PCB Cong	PCDD/ PCDF	SVOC s	TPH	Met + Ti	Hg	TOC
12A-0422-G1AS-C	12A-0422	G1AS	grab		1/24/2012	16:16					X		X		X
12A-0422-C3AS-C	12A-0422	C3AS	0 - 0.5		1/24/2012	12:32						X		X	
12A-0422-C5BS-C	12A-0422	C5BS	0.5 - 1.5		1/24/2012	16:03	X	X	X	X		X		X	
12A-0422-C3BS-C	12A-0422	C3BS	0.5 - 1.5		1/24/2012	12:32					X		X		X
12A-0422-C5CS-C	12A-0422	C5CS	1.5 - 2.5		1/24/2012	16:03	X	X	X	X		X		X	
12A-0422-C3CS-C	12A-0422	C3CS	1.5 - 2.5		1/24/2012	12:32					X		X		X
12A-0418-C1AS-C	12A-0418	C1AS	0 - 0.5		1/30/2012	8:46	X	X	X	X					
12A-0418-C3AS-C	12A-0418	C3AS	0 - 0.5	MS/MSD for TOC only	1/30/2012	9:38					X		X	X	X
12A-0418-C2AS-C	12A-0418	C2AS	0 - 0.5		1/30/2012	9:12						X			
12A-0418-C1BS-C	12A-0418	C1BS	0.5 - 1.5		1/30/2012	8:46	X	X	X	X				X	
12A-0418-C3BS-C	12A-0418	C3BS	0.5 - 1.5		1/30/2012	9:38					X	X	X		X
12A-0418-C1BS-CX	12A-0418	C1BS	0.5 - 1.5	Dup	1/30/2012	8:46	X	X	X	X				X	
12A-0418-C3BS-CX	12A-0418	C3BS	0.5 - 1.5	Dup	1/30/2012	9:38					X	X	X		X
12A-0418-C1CS-C	12A-0418	C1CS	1.5 - 2.5	MS/MSD	1/30/2012	8:46	X	X	X	X				X	
12A-0418-C3CS-C	12A-0418	C3CS	1.5 - 2.5	MS/MSD	1/30/2012	9:38					X	X	X		X
12A-0417-C4AS-C	12A-0417	C4AS	0 - 0.5		1/31/2012	11:31	X	X	X	X					
12A-0417-C3AS-C	12A-0417	C3AS	0 - 0.5		1/31/2012	11:08					X		X	X	X
12A-0417-G1AS-C	12A-0417	G1AS	grab		1/31/2012	12:15						X			
12A-0417-C4BS-C	12A-0417	C4BS	0.5 - 1.5		1/31/2012	11:31	X	X	X	X	X		X	X	X
12A-0417-C3BS-C	12A-0417	C3BS	0.5 - 1.5		1/31/2012	11:08						X			
12A-0417-C4CS-C	12A-0417	C4CS	1.5 - 2.5		1/31/2012	11:31	X	X	X	X	X		X	X	X
12A-0417-C3CS-C	12A-0417	C3CS	1.5 - 2.5		1/31/2012	11:08						X			
12A-0447-C2AS-C	12A-0447	C2AS	0 - 0.5		1/30/2012	14:03	X	X	X	X				X	
12A-0447-C3AS-C	12A-0447	C3AS	0 - 0.5		1/30/2012	14:27					X	X	X		X
12A-0447-C2BS-C	12A-0447	C2BS	0.5 - 1.5		1/30/2012	14:03	X	X	X	X		X		X	
12A-0447-C3BS-C	12A-0447	C3BS	0.5 - 1.5		1/30/2012	14:27					X		X		X
12A-0447-C2CS-C	12A-0447	C2CS	1.5 - 2.5		1/30/2012	14:03	X	X	X	X				X	
12A-0447-C3CS-C	12A-0447	C3CS	1.5 - 2.5		1/30/2012	14:27					X	X	X		X

Note:

1. CDM Smith sample IDs (listed in this table) are the same as AECOM sample IDs followed by "-C" at the end.

Acronyms:

Dup - duplicate

PCDD - polychlorinated dibenzodioxins

CDM Split Sample Identification Table
 Supplemental Sediment Sampling Oversight
 Lower Passaic River Restoration Project
 Lower Passaic River, New Jersey

Sample ID ¹	Location	Core No. /Interval	Depth (ft)	QC Sample	Date Collected	Time Collected	PAHs	Pest	PCB Cong	PCDD/ PCDF	SVOC s	TPH	Met + Ti	Hg	TOC
ft - feet				PCDF - polychlorinated dibenzofurans											
Hg - mercury				Pest - pesticides											
ID - identification				SVOCs - semi-volatile organic compounds											
Met - metals				Ti - titanium											
MS/MSD - matrix spike/matrix spike duplicate				TOC - total organic carbon											
PAHs - polycyclic aromatic hydrocarbons				TPH - total petroleum hydrocarbons											
PCB Cong. - polychlorinated biphenyl congeners				VOCs - volatile organic compounds											

Attachment 3
Copies of Signed Split Sample Chain-of-Custodies

DateShipped: 1/11/2012
CarrierName: FedEx
AirbillNo: 8770 3827 3020

CHAIN OF CUSTODY RECORD

Passaic - Supplemental Coring/NJ
Contact Name: George Molnar
Contact Phone: 732-590-4633

No: 2-011112-141624-0004

Lab: Shealy Environmental
Lab Address: 106 Vantage Point Drive
Lab Phone: 803-791-9700

[illegible]

Special Instructions:		SAMPLES TRANSFERRED FROM
		CHAIN OF CUSTODY #

[illegible]

DateShipped: 1/11/2012
CarrierName: FedEx
AirbillNo: 8770 3827 3019

CHAIN OF CUSTODY RECORD

Passaic - Supplemental Coring/NJ
Contact Name: George Molnar
Contact Phone: 732-590-4633

No: 2-01112-141523-0003

Lab: Microbac
Lab Address: 250 West 84th Drive
Lab Phone: 219-906-8378

[illegible]

Special Instructions:	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

[illegible]

DateShipped: 1/11/2012
CarrierName: Hand Deliver
AirbillNo: Hand Delivery

CHAIN OF CUSTODY RECORD

Passaic - Supplemental Coring/NJ
Contact Name: Vanessa Macwan
Contact Phone: 732-590-4706

No: 2-011112-141345-0002

Lab: DESA
Lab Address: 2890 Woodbridge Ave.
Lab Phone: 732-321-6707

[illegible]

Special Instructions:	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

[illegible]

Passaic - Supplemental Coring/NJ
Contact Name: George Molnar
Contact Phone: 732-590-4633

Lab: AXYS
Lab Address: 2045 Mills Road West
Lab Phone: 888-373-0881

Special Instructions:	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

[illegible]

Passaic - Supplemental Coring/NJ
Contact Name: George Molnar
Contact Phone: 732-590-4633

Lab: Shealy Environmental
Lab Address: 106 Vantage Point Drive
Lab Phone: 803-791-9700

Special Instructions:	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time
All analysis	[Signature]	1/14/12			

Passaic - Supplemental Coring/NJ
Contact Name: George Molnar
Contact Phone: 732-590-4633

Lab: Shealy Environmental
Lab Address: 106 Vantage Point Drive
Lab Phone: 803-791-9700

[illegible]

Special Instructions:	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

[illegible]

Passaic - Supplemental Coring/NJ
Contact Name: George Molnar
Contact Phone: 732-590-4633

Lab Address: 2045 Mills Road West
Lab Phone: 888-373-0881

Special Instructions:	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

[illegible]

Contact Phone: 732-590-4633

Lab Phone: 888-373-0881

[illegible]

Passaic - Supplemental Coring/NJ
Contact Name: Vanessa Macwan
Contact Phone: 732-590-4706

Lab Address: 2890 Woodbridge Ave.
Lab Phone: 732-321-6707

[illegible]

Special Instructions:	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

[illegible]

Passaic - Supplemental Coring/NJ
Contact Name: George Molnar
Contact Phone: 732-590-4633

Lab: Microbac
Lab Address: 250 West 84th Drive
Lab Phone: 219-906-8378

[illegible]

Special Instructions:	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

[illegible]

Passaic - Supplemental Coring/NJ
Contact Name: George Molnar
Contact Phone: 732-590-4633

Lab Address: 2045 Mills Road West
Lab Phone: 888-373-0881

[illegible]

Contact Phone: 732-590-4633

Lab Phone: 888-373-0881

[illegible]

[illegible]

Contact Phone: 732-590-4633

Lab Phone: 803-791-9700

Lab #	Sample #	Location	Analyses	Analyses Turnaround Time	Matrix	Collection Method	Collected	Sample Time	Container	Preservative	MS/ MSD	Sampler	Sample Type
	12A-0420-C1BS-C	12A-0420-BS	Metals plus Ti/ SVOCs	21	Sediment	Grab	1/23/2012	09:17	4 oz glass	4 C		George Molnar	Field Sample
	12A-0420-C1CS-C	12A-0420-CS	Metals plus Ti/ SVOCs	21	Sediment	Grab	1/23/2012	09:17	4 oz glass	4 C		George Molnar	Field Sample
	12A-0420-C2BS-C	12A-0420-BS	TPH extractables	21	Sediment	Grab	1/23/2012	09:33	4 oz glass	4 C		George Molnar	Field Sample
	12A-0420-C2CS-C	12A-0420-CS	TPH extractables	21	Sediment	Grab	1/23/2012	09:33	4 oz glass	4 C		George Molnar	Field Sample
	12A-0420-G1AS-C	12A-0420-AS	Metals plus Ti/ SVOCs	21	Sediment	Grab	1/23/2012	10:11	4 oz glass	4 C		George Molnar	Field Sample
	12A-0420-G1AS-C	12A-0420-AS	TPH extractables	21	Sediment	Grab	1/23/2012	10:11	4 oz glass	4 C		George Molnar	Field Sample
	12A-0422-C3AS-C	12A-0422-AS	TPH extractables	21	Sediment	Grab	1/24/2012	12:32	4 oz glass	4 C		George Molnar	Field Sample
	12A-0422-C3BS-C	12A-0422-BS	Metals plus Ti/ SVOCs	21	Sediment	Grab	1/24/2012	12:32	4 oz glass	4 C		George Molnar	Field Sample
	12A-0422-C3CS-C	12A-0422-CS	Metals plus Ti/ SVOCs	21	Sediment	Grab	1/24/2012	12:32	4 oz glass	4 C		George Molnar	Field Sample
	12A-0422-C5BS-C	12A-0422-BS	TPH extractables	21	Sediment	Grab	1/24/2012	16:03	4 oz glass	4 C		George Molnar	Field Sample

Special Instructions:	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

[illegible]

Passaic - Supplemental Coring/NJ
Contact Name: George Molnar
Contact Phone: 732-590-4633

Lab: Shealy Environmental
Lab Address: 106 Vantage Point Drive
Lab Phone: 803-791-9700

Special Instructions:	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time
Affidavit	[Signature]	1/25/13			

DateShipped: 1/25/2012
CarrierName: Hand Deliver
AirbillNo: hand delivery

CHAIN OF CUSTODY RECORD

Passaic - Supplemental Coring/NJ
Contact Name: Vanessa Macwan
Contact Phone: 732-590-4706

No: 2-012512-100123-0012

Lab: DESA
Lab Address: 2890 Woodbridge Ave.
Lab Phone: 732-321-6707

[illegible]

Special Instructions:	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

[illegible]

Passaic - Supplemental Coring/NJ
Contact Name: George Molnar
Contact Phone: 732-590-4633

Lab: Microbac
Lab Address: 250 West 84th Drive
Lab Phone: 219-906-8378

Special Instructions:	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

[illegible]

USEPA

DateShipped: 2/1/2012

CarrierName: FedEx

AirbillNo: 8763 6411 7872

CHAIN OF CUSTODY RECORD

Passaic - Supplemental Coring/NJ

Contact Name: George Molnar

Contact Phone: 732-590-4633

No: 2-013112-142135-0016

Lab: AXYS

Lab Address: 2045 Mills Road West

Lab Phone: 888-373-0881

Lab #	Sample #	Location	Analyses	Analyses Turnaround Time	Matrix	Collection Method	Collected	Sample Time	Container	Preservative	MS/ MSD	Sampler	Sample Type
	12A-0417-C4AS-C	12A-0417-AS	PAH/Alkyl PAHs/PEST/PC B Con+Hom/PCD D_PCDF Cong	21	Sediment	Grab	1/31/2012	11:31	8 oz glass	4 C		George Molnar	Field Sample
	12A-0417-C4BS-C	12A-0417-BS	PAH/Alkyl PAHs/PEST/PC B Con+Hom/PCD D_PCDF Cong	21	Sediment	Grab	1/31/2012	11:31	8 oz glass	4 C		George Molnar	Field Sample
	12A-0417-C4CS-C	12A-0417-CS	PAH/Alkyl PAHs/PEST/PC B Con+Hom/PCD D_PCDF Cong	21	Sediment	Grab	1/31/2012	11:31	8 oz glass	4 C		George Molnar	Field Sample
	12A-0418-C1AS-C	12A-0418-AS	PAH/Alkyl PAHs/PEST/PC B Con+Hom/PCD D_PCDF Cong	21	Sediment	Grab	1/30/2012	08:46	8 oz glass	4 C		George Molnar	Field Sample

Special Instructions:	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

[illegible]

Items/Reason	Relinquished by	Date	Received by	Date	Time
All analysis	[Signature]	2/1/18			

[illegible]

AirbillNo: 8989 3350 1979

CHAIN OF CUSTODY RECORD

Passaic - Supplemental Coring/NJ

Contact Name: George Molnar

Contact Phone: 732-590-4633

No: 2-013112-142305-0018

Lab: Shealy Environmental

Lab Address: 106 Vantage Point Drive

Lab Phone: 803-791-9700

[illegible]

Special Instructions:	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

[illegible]

Contact Phone: 732-590-4706

Lab Phone: 732-321-6707

[illegible]

Contact Phone: 732-590-4633

Lab Phone: 219-906-8378

[illegible]

Attachment 4
Copies of Oversight Field Logbook Notes

Location Passaic RiverDate 1/9/12Project / Client Supplemental Sampling Program (SSP)Oversight of AECOM

1100 - P. Connelly (CDM Smith) on site at CPG Field Facility at 1 Madison St in East Rutherford, NJ. Meets with ^{PC-19} AECOM Field team leader Kris VanNaersson. He says that they will probably be departing dock around noon to collect first core location. CDM Smith does not plan on collecting any split samples today or tomorrow, but likely on Wednesday.

1120 - PC meets with Teresa Watson of AECOM. She is in charge of sample processing at CPG Facility. The current split sampling plan, proposed by CDM Smith, is to split samples from one core location each day, Monday through Wednesday. 3 sample intervals are being collected from each ^{PC-19} core location, so it will give us 3 split samples per day. AECOM currently plans on collecting 258 samples from 86 locations. CDM Smith requires to split 10% of those, or approximately 26 samples.

PC-19 1/9/12

Location Passaic RiverDate 1/9/12Project / Client SSPOversight of AECOM

1200 - AECOM plans on attempting to sample 2 locations today: 12A-0463 and 12A-0465. K. VanNaersson informs PC that they are almost ready to leave dock.

1315 - Depart dock. P.C. is out on the "Sandy" owned by Miller. Jerry Granberg is the captain. Miller ^{PC-19-2} is a sub of AECOM who will be operating to transport sediment cores from the "Will-Du" to the dock at CPG Facility. The "Will-Du" is the coring vessel owned by OSI, the vibracore sub to AECOM. That vessel is also cruising toward first location. We will stop along the way to set up 2 Hobo pressure transducers to track water levels.

1445 - Arrive at 12A-0463. Will-Du begins setting up on location to collect cores and grab sample.

1510 - Depth of water column at 12A-0463 = 12.8 ft.

1527 - Begin coring for first core at 12A-0463. Each core will be 5 feet.

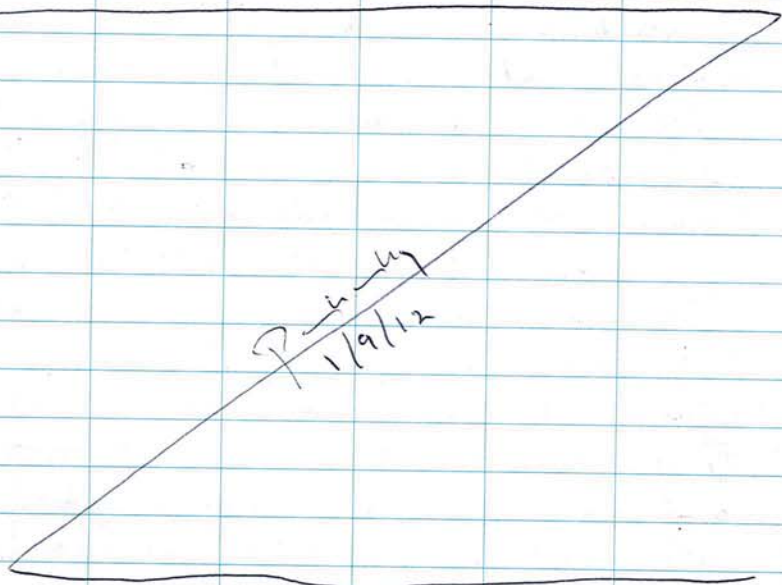
PC-19 1/9/12

Location Passaic River Date 1-9-12
 Project / Client SSP
Oversight of AECOM

1615 - AECOM has successfully collected 2 cores, 1 for low resolution processing and 1 for high resolution processing. They will not collect a grab sample at this location today due to fading daylight.

1630 - PC travels back to CPB Field Facility where samples are being ~~stored~~^{processed}.

1715 - PC offsite. ~~CPB~~ AECOM ~~will~~^{will} finish processing the cores collected today and store the samples in a secure, walk-in refrigerator to be shipped on 1-10-12. PC



Location Passaic River Date 1-10-12
 Project / Client SSP

Oversight of AECOM

0710 - P. Connelly on site at the dock located at 927 Passaic Ave in Kearny, NJ. PC will be picked up here by Jerry Granberg (Miller), captain of the SANDY (support boat). ~~There is~~ He is picking me up here bc he is boating from Staten Island and this dock is much closer to today's sampling location than the CPB Facility. We will meet the Will-Du crew at the first sampling location. PC

0730 - PC boards the Sandy. They travel down river to meet up with Will-Du at location 12A-0462.

Personnel - P. Connelly (CD Smith), ~~Steve~~^{PC} J. Granberg (Miller), Steve Bodak, ~~Steve~~^{PC} Steve Bodak, ~~Joel Mervier~~^{Kyle Touchacher} (OSI), Jeff Holzer, Joel Mervier (AECOM), Renée Trudeau (Gravity) PC

PPE - modified level D + Mustang Suits
 Weather - cold, overcast, 30's °F

Task - continue oversight of AECOM and Subs collecting supplemental cores and processing at CPB Facility

P-11/10-12

Oversight of AE Com

0800 - Arrive at 12A-0462 to collect sample cores and grab. PC remains on "Sandy" to observe due to lack of space on the "Will-Du". PC

1045 - AE Com has collected 3 cores in 6 attempts and 1 grab sample in 3 attempts on the "Will-Du". They will mobilize to location 12A-0464. ~~When~~ They begin deconing equipment, including powergrab pneumatic sampler, following SOP.

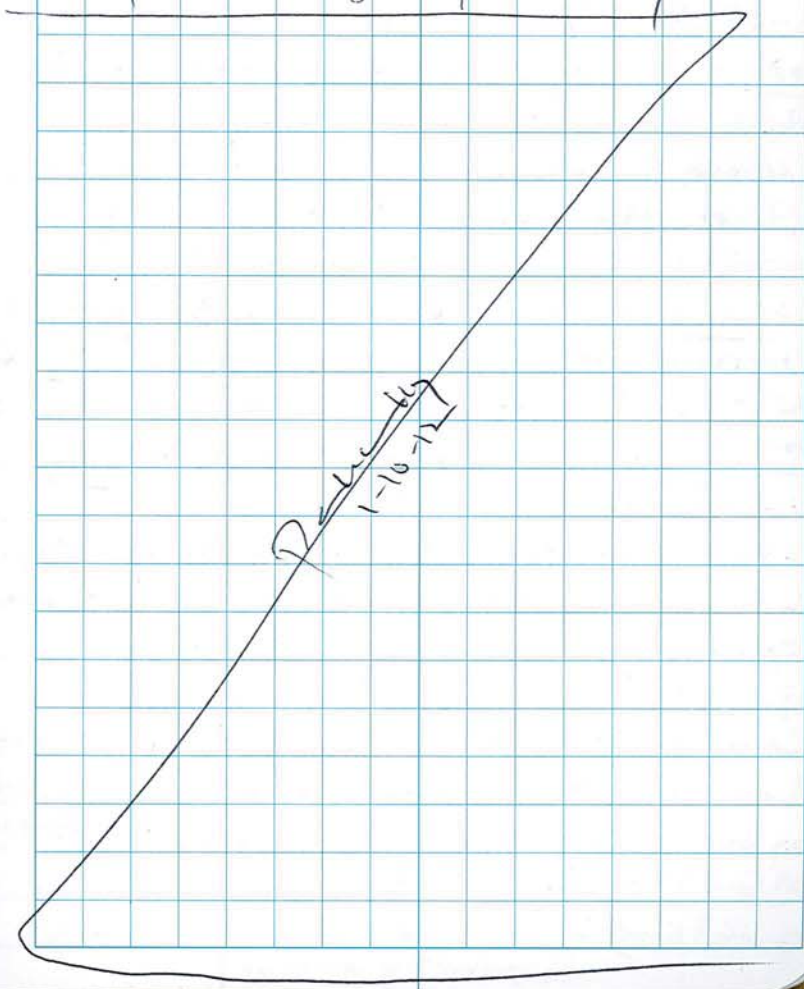
1120 - AE Com begins coring for first core at 12A-0464. PC rides to dock on "Sandy". AE Com transfers cores and grab sample from "Sandy" to pick-up truck to be delivered to CPG facility. PC

1200 - PC Back at facility to observe processing of samples. PC

1445 - Cores from locations 12A-0464 and 12A-0457 arrive at CPG facility to be processed. They were only able to collect 1 core at 12A-0464 due to dropping tide. They also collected 1 core at 12A-0457 and are currently attempting to collect the other 2 and grab sample before

Oversight of AE Com

sunset. They will not attempt a 4th station today but may attempt to collect the grab from 12A-0463 that they couldn't get yesterday.



Location Passaic RiverDate 1-11-12Project / Client SSPOversight of AE Con

0645 - P. Connelly onsite at CPB Facility. He labels and leaves bottles for 3 split samples to be collected today. AE Con crew is busy at CPB dock loading equipment onto the "Will-Du" vessel. ——— re

0730 - PC boards the "Sandy" at the Arlington dock near the Route 7 Bridge. PC and J. Granberg go up river to where the "Will-Du" is setting up to collect samples at location 12A-0460

Personnel - P. Connelly (con. Smith), J. Granberg (Miller), ~~K. Van Naeu~~ ^{PC 1-11-12} ~~SSP~~, J. Holzer, J. Meunier (AE Con), R. Trudeau (Gravity), S. Budak, K. Toothaker (OSI)

PE - modified level D + Mustang suits

Weather - sunny, 30's/40's F

Task - continue oversight of AE Con collecting and processing sediment cores as part of the supplemental sediment sampling program.

0925 - AE Con has collected cores 1 and 2 from 12A-0460. We are currently transporting these cores to Arlington dock to be transported by truck back to CPB Facility. ——— re

0950 - PC enters CPB Facility to observe processing of samples. The processing

PC entry 1-11-12

Location Passaic RiverDate 1-11-12Project / Client SSPOversight of AE Con

crew is still prepping to process cores.

1220 - So far today, boat crew has collected all 3 cores and a grab at 12A-0460 and 2 cores (LACS) ^{at grab PC 1-11-12} that they were unable to collect on 12 re

1/10/12 from 12A-0464. They are currently at 12A-0461 but have encountered a rocky substrate and/or refusal at this location. They will make several attempts to sample here today before re-assessing sample location. ——— re

1255 - At location 12A-0461, boat crew manages to collect a successful core on the 4th attempt. ——— re

1325 - M. Kowalczyk (con. Smith) onsite to take split samples collected today back to Edison, NJ warehouse to pack and ship to labs. All 3 split samples were collected today from each of the 3 intervals at station 12A-0460.

1345 - M.K. offsite w/ samples.

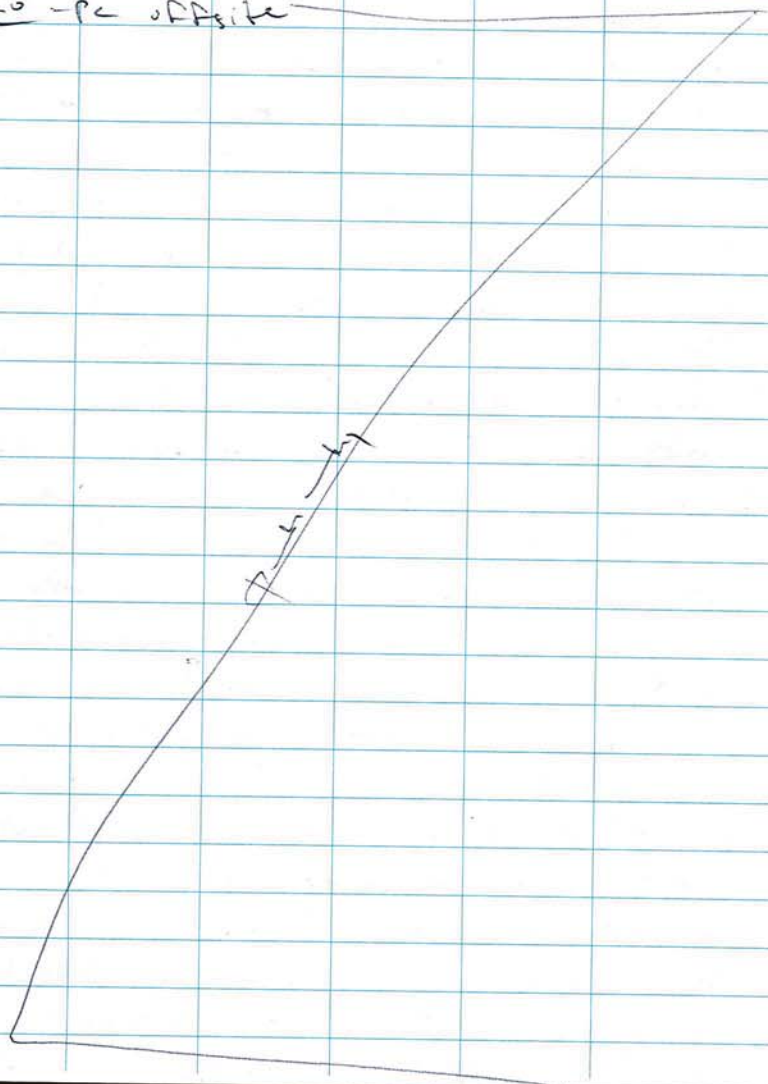
1440 - K.V. updates P.C. that 3 cores have been successfully collected at 12A-0461 but no grab sample after 9 attempts.

PC entry 1-11-12

Location Passaic River Date 1-11-12
 Project / Client SSP

Oversight of AE Com

K.V. says that they ^{re} will move on to attempt samples at 12A-0453 & 0454.
 1520 - PC offsite



Location Passaic River Date 1-12-12
 Project / Client SSP

Oversight of AE Com

0650 - PC onsite at CPG Facility. AE Com and OSI personnel are on site but currently waiting for the heavy rain to pass. They are concerned about wearing Mustang suits in the rain.

Personnel - P. Connolly (CDM Smith), K. VanNessien, J. Hoizer, J. Meunier (AE Com), R. Trudeau (Gravity), S. Bodak, K. Toth (OSI)

PPE - modified level D

Weather - heavy rain, 40's °F

Task - oversight of sampling and processing sediment cores as part of SSP program.

0955 - Rain has let up and we depart CPG dock. The core boat is the Will-Du and the support boat is the Sandy.

1045 - Begin coring at 12A-0473. We were unable to get boats under the 7th Ave bridge due to high tide / rain (flooding), to do planned locations.

1135 - Boat crew has made 3 attempts to core at 12A-0473 but have hit refusal at < 1 foot on each attempt. Location is very near shore

PC offsite 1-12-12

Location Passaic River Date 1-12-12
 Project / Client SSP
oversight of AE Com

1200 - Boat crew shifts boat about 10 ft off location where they had got refusal and is able to collect successful core from location 12A-0473. Recovery 4.5/3.5 feet. pc

1220 - Successfully collect 2nd core at 12A-0473. Recovery = 4.0/3.5 pc

1240 - PC travels on jon boat back to Arlington dock where cores will be transferred to truck to be transported to Facility pc

1320 - PC returns to CPG Facility to observe core processing pc

1330 - Facility crew are processing HRC core 12A-~~05~~0454, collected on 1/11/12. Cores from 12A-0473, collected this morning, are being held while the fine sediment settles out. pc

1515 - PC offsite

1-12-12

Location Passaic River Date 1-13-12
 Project / Client SSP

Oversight of AE Com

0645 - P. Connelly onsite at CPG Facility.
 Personnel - P. Connelly (COM Smith), J. Holzer, J. Meunier (AE Com), S. Bodak, K. Toothaker (OSI), J. Granberg (Miller), R. Trudeau (Gravity)

PPE - modified level D + Mustang suits

Weather - currently 50's F, high winds expected early as cold front moves in and temp drops pc

Task - oversight of AE Com collecting and processing sampler as part of the Supplemental Sampling Program

0745 - PC and JB depart dock on the Sandy. Crew of the Will-DV departed about 20 minutes ago. We will observe them collecting cores and grab sampler pc

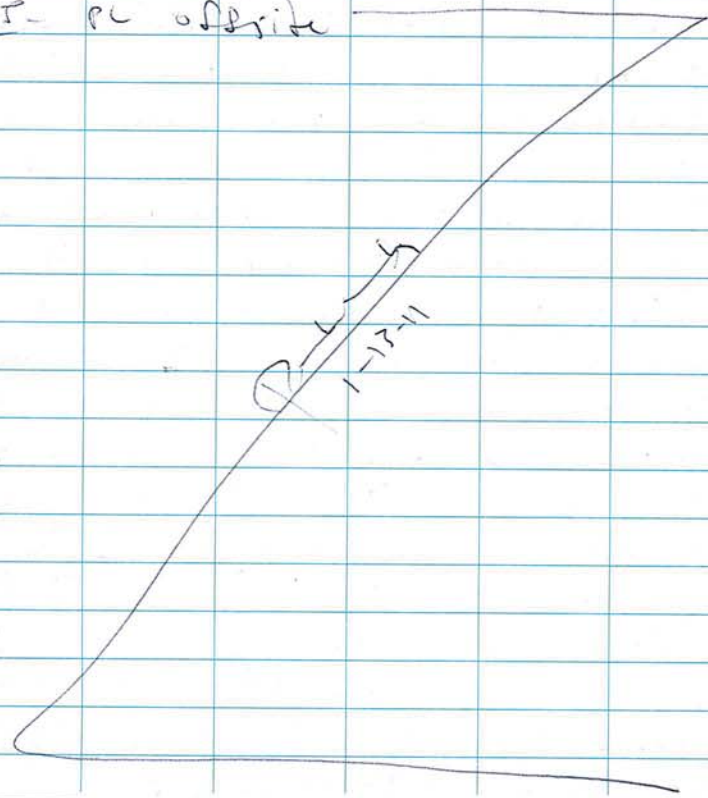
1030 - PC comes in to land on the Sandy when Sandy comes in to transfer cores to Facility. Boat crew collected 2 cores successfully so far at location 12A-473 pc

1115 - PC enters CPG Facility to observe core processing. Facility crew is processing cores from 12A-451 pc

1340 - K.V. updates PC that ^{boat} crew was put on 1-13-12

Location Passaic River Date 1-13-11Project / Client SSPOversight of AECOM

unable to collect grab sample at ^{12A-0451} ~~HB~~ ^{PC} b/c strong winds would not let them properly anchor. They then tried to anchor on several other planned coring locations in the vicinity but could not safely anchor there either. They were finally able to anchor safely on 12A-0475 ^{PC}

1515 - PC offsiteLocation Passaic River Date 1-16-11Project / Client SSPOversight of AECOM

0645 - P. Connelly on site at CPG Facility ^{PC}
Personnel - P. Connelly (com smith), M. Sargent, ^{PC}
 J. Holzer, J. Mervier, K. Van Neerssen (AECOM), R. Trudeau (Gravity), J. Di Lorenzo, S. Bodak (OSI), J. Granberg (Miller)
PPE - modified level D + Mustang Suits
Weather - extremely cold (teens), clear
Task - oversight and split samples with AECOM. ^{PC}

0710 - mobilize to CPG Facility dock.
 PC left bottlenecks for 3 split samples in the lab area of processing facility.
0740 - PC and JB depart dock to go to 12A-0467. The AECOM/Gravity/OSI crew is on their way to 12A-0467 already on the Will-Du. PC is on Sandy.
0855 - Boat crew has collected 1 core successfully. It is the 3rd attempt at 12A-0467. Previous 2 attempts had <80% recovery. ^{PC}

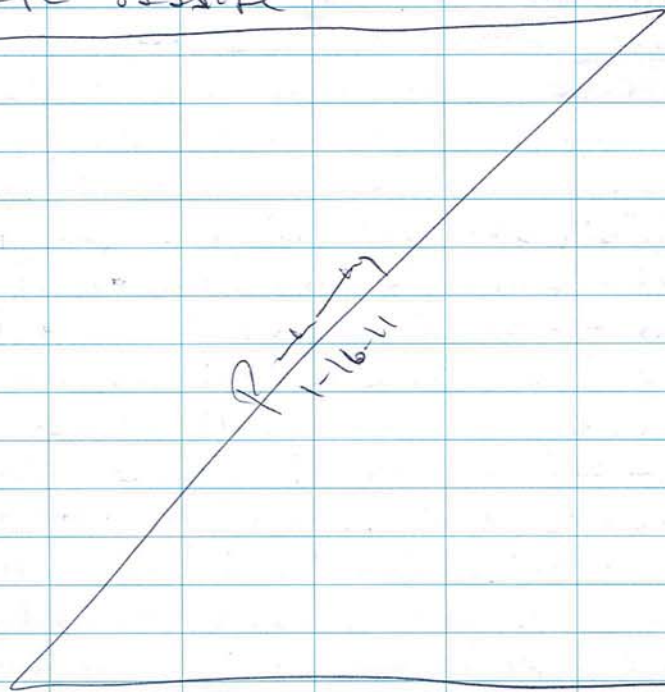
1105 - PC heads into Arlington dock on Sandy with JB. Stan Hatfield of AECOM is waiting at dock to transfer Pack ^{PC}
 1-16-11

Location Passaic RiverDate 1-16-11Project / Client SSPOversight of AE Com

core to CPA Facility via truck — PC
 1200 — ~~CPA~~ AE Com processing crew is processing
 interval A at 12A-0467. The other
 intervals are native material and
 will not be processed — PC

1500 — At 12A-0467 boat crew collected
 1 core but, due to rocky substrate,
 was not able to collect additional cores
 or a grab. — PC

1515 — PC off site — PC

Location Passaic RiverDate 1-17-11Project / Client SSPoversight of AE Com

0640 — P. Connelly on site — PC
 Personnel P. Connelly (com Smith),
 J. Holzer ~~SE~~, M. Suprenant, J. Meunier,
 (AE Com), R. Tardieu (Gravity), J. Di Lorenzo,
 S. Bodale (OSI) — PC

PPE-modified level D + Mustang Suits
 weather = 40°F, rain expected later
 Task oversight of AE Com collecting
 and processing sediment cores.

0710 — All personnel mobilize to CPA
 dock. — PC

0745 — the core boat Will-Du is having
 some mechanical issues with the
 engine. J. Di Lorenzo of OSI suspects
 some water got into the gas tank.
 OSI begins troubleshooting — PC

0855 — OSI has resolved the issue by
 switching out the gas tank and
 adding fresh gas. The Will-Du
 and the support boat Sandy begin
 heading down river to first location.

12A-0479 — PC

1100 — Boat crew has successfully collected
 3 cores / 4 attempts and 1 grab / 2 attempts

PC — 1-17-11

Location Passaic River Date 1-17-12Project / Client SSPOversight of AE Com

at 12A-0479, PC heads to CPG Facility to observe core processing — PC

1240 - Boat crew has successfully collected 3 cores / 3 attempts and 1 grab / 1 attempt

at 12A-0478 — PC

1400 - PC observed processing of 12A-0479. Only Interval A was sampled b/c rest of core was native material (red clay)

1430 - AE Com processing crew begins processing 12A-0478. CRM will collect split samples at Intervals A, B, and C at this location and a duplicate at Interval B — PC 0469

1500 - Boat crew has returned to 12A-0468, where they got 1 core yesterday but no others b/c there seemed to be a rocky substrate. They have so far collected only 1 more additional core out of 8 attempts at this location. They could not collect a grab. — PC

1515 - PC offsite

P — 1-17-12

Location Passaic River Date 1-18-12Project / Client SSPOversight of AE Com

0640 - P. Connelly onsite at CPG Facility. Personnel - P. Connelly (com suite), Kristen Durocher, J. Holzer, J. Meunier (AE Com), R. Trudeau (gravity), J. Di Lorenzo, S. Bodak (OSI), Chris (Miller) — PC

PPE - modified level D + Mustang Suits
Weather - 40's °F, clear skies — PC

Task - oversight of AE Com collecting sediment cores and processing them for sample analysis as part of supplemental sediment program.

0730 - AE Com, etc. crew depart dock on the Will-Du. — PC

0745 - PC and Chris (OSI) depart dock on the Sandy — PC

0810 - AE Com is set up on first location 12A-0484 — PC

1015 - Boat crew has collected 4 cores successfully at 12A-0484 out of 8 tries. No grab sample after 9 tries — PC

1100 - Boat crew sets up on 12A-0483. P. Connelly has returned to facility to observe core processing. A split sample will be collected at 12A-0484

P — 1-18-12

AE Com oversight

- intervals A, B, and C ——— PC
- 1315 - At location 12A-0483, boat crew has successfully collected 3 cores in 3 attempts and 1 grab in 1 attempt. ———
- 1345 - Boat crew is setting up at 12A-0469. They collected 1 core here yesterday and will attempt to get 2 cores and a grab here today. ——— PC
- 1400 - M. Kowalczyk (CDM Smith) onsite to pick up split samples collected on 1/17/12 and 1/18/12. ——— PC
- 1410 - M.K. offsite to take samples to CDM Smith warehouse in Edison, NJ to be packed and shipped to laboratories. ——— PC
- 1450 - Boat crew has successfully collected 2 cores / 3 attempts today at 12A-0469.
- 1510 - Boat crew collected 1 successful grab sample at 12A-0469. ——— PC
- 1515 - P.C. offsite

Q-1-18-12

AE Com Oversight

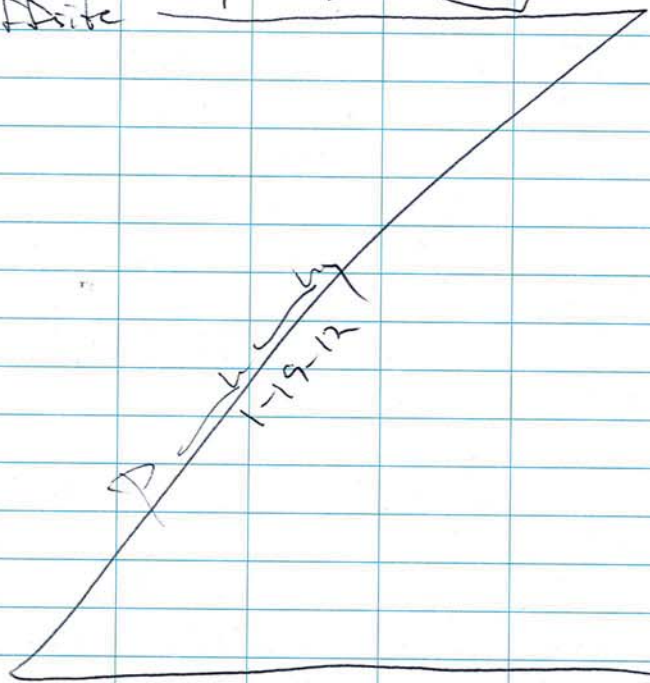
- 0645 - P. Connelly (CDM Smith) onsite at CPG Facility. ——— PC
- Personnel - K. Drocher, J. Holzer, J. Meunier (AE Com), R. Trudeau (Gravity), J. Di Lorenzo, S. Bodak (OSI) C. (Miller) ——— PC
- 0710 - All personnel mobilized to GSC Dock, except K. Drocher. PC and C will ~~be~~^{be} be aboard the Sandy to observe the remaining boat crew collect cores aboard the Will-Du. PPE - modified level D + mustang suits
- weather - 20's °F, clear skies
- Task - continued oversight of AE Com during SSP program. ——— PC
- 0725 - Depart CPG Facility dock
- 0735 - Begin setting up Will-Du at first station: 12A-0485
- 1100 - Boat crew has made nine attempts to collect a core at 12A-0485. So far none have produced a successful (> 80%) recovery core. Several cores are near 80%. They'll ~~be~~^{be} be sent back to facility to be
- P. Connelly 1-19-12

Location Passaic River
Project / Client SSPDate 1-19-12oversight of AECOM

examined and considered for processing.
PC heads to Facility. PC

1245 - Facility crew has opened cores
from 12A-0485 but they all contain
only native material (red clay), which
is not to be sampled per the QAPP
and SOPs. PC

1500 - Boat crew failed to collect grab
sample at 12A-0485 after 9 attempts.
They are currently at 12A-0482, PC
PC offsite

Location Passaic River
Project / Client SSPDate 1-20-12Oversight of AECOM

0645 - P. Connelly onsite at CPG
Facility PC

Personnel - P. Connelly (COM), K. VanNaerssen,
J. Holzer, J. Meunier (AECOM), R. Trudeau
(Gravity), J. DiLorenzo, S. Bodek (OSI),
Chris (Miller's Lunch) PC

PPE - modified level D + Musty Suits

Weather - 20's/30's °F, clear skies

Task - continue oversight of AECOM
during SSP core collection PC

0730 - AECOM + crew leave CPG Facility
dock on the craft Will-Du to
head to first sampling location.

PC leaves with Miller personnel on
craft Sandy PC

0830 - Arrive at 1st location 12A-0420

1015 - Boat crew has successfully collected
3 cores in 3 attempts and 1 grab in
1 attempt at 12A-0420. PC heads
back to Facility to observe processing
of cores. PC

1130 - Lab crew at CPG Facility has
determined that the 3 cores collected
at 12A-0420 have several inches of

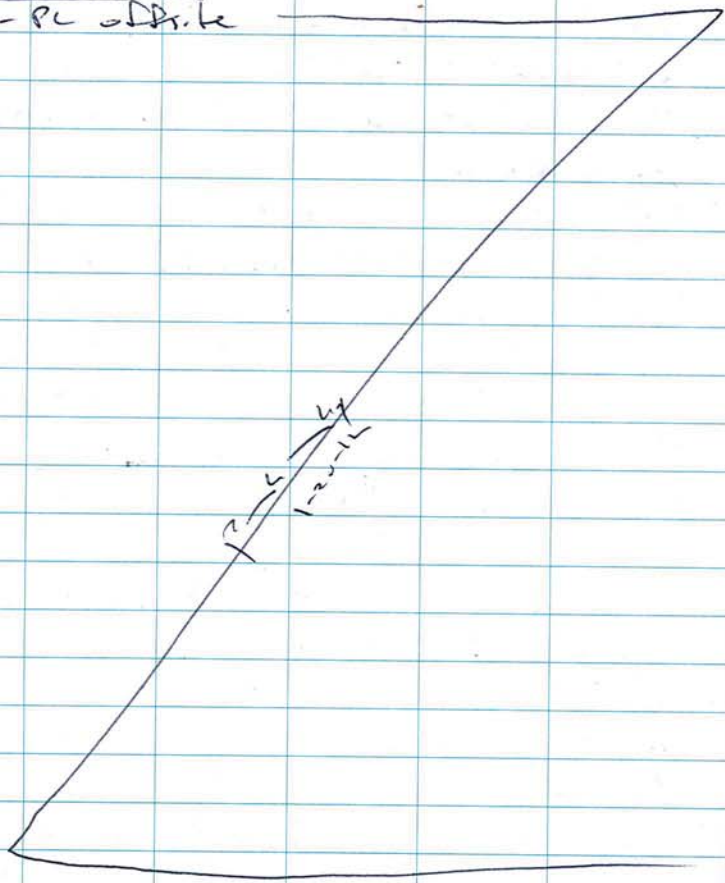
Post with 1-20-12

Oversight of AE Com

suspended material at top of cores. They will allow these cores to "settle out" before processing. pc

1310 - Boat crew have successfully collected 3 cores in 4 attempts and 1 grab in 2 attempts at 12A-0419 pc

1500 - PC off site

Oversight of AE Com

0645 - P. Connelly on site at CRG Facility pc

Personnel - P. Connelly (comsmith), K. VanNaerssen, J. Holzer, J. Mennier, plus additional AE Com crew for support on 2nd core boat. J. Holzer will be crew leader on Can-do and J. Mennier on Will-do pc
S. Saugen (Gravity), J. DeLorenzo, Dustin Kach (OSI) pc

PPE - modified level D + Mustang suits
Weather - 40's F, overcast, fog

0900 - Crews head out onto river to begin collecting cores. Note that there are now 2 core vessels working. We are getting a late start due to training of the new boat crew members. pc

1030 - After cruising down river to approximately RM 4-35, OSI determines that visibility is less than 1 mile. Per OSI's agreement with Coast Guard, 1 mile is the minimum visibility requirement in order

1-23-12

Oversight of AE Com

to work on the river. We head back to CPG Dock to see if visibility improves. — PC

1030 - Facility crew is busy processing cores from location 12A-0420, collected on 1/21/12. The cores were allowed to sit over the weekend and settle out. A split sample will be collected from intervals A, B, and C here — PC

1300 - AE Com decides that visibility will not improve and calls it a day

1320 - PC offsite

PC
1-23-12

Oversight of AE Com

0645 - P. Connelly onsite at CPG Facility
Personnel - P. Connelly (com smith), J. Holzer, J. Mevinier (AE Com boat crew leaders),

K. VanNoers San & several AE Com boat crew personnel to man the Will-Du and the Can-du, J. DeLorenzo D. Koch, John Bean, Mike Lincoln (DSI), S. Sanger (Gravity), Chris (Miller) — PC

PPE - mod. Aid level D + survival suits
Weather - sunny, 40's - F

0720 - PC and Chris (Miller) leave CPG Facility dock aboard the Sandy. Crew of the Will-Du left about 10 minutes earlier. Crew of Can-du is departing from the Passaic Yacht Club on the Hackensack River.

0800 - Arrive at 12A-0429 (Will-Du).

Can-du setting up down river at 12A-0421 — PC

1030 - PC heading up river on Sandy which is also carrying cores collected at 12A-0429 — PC

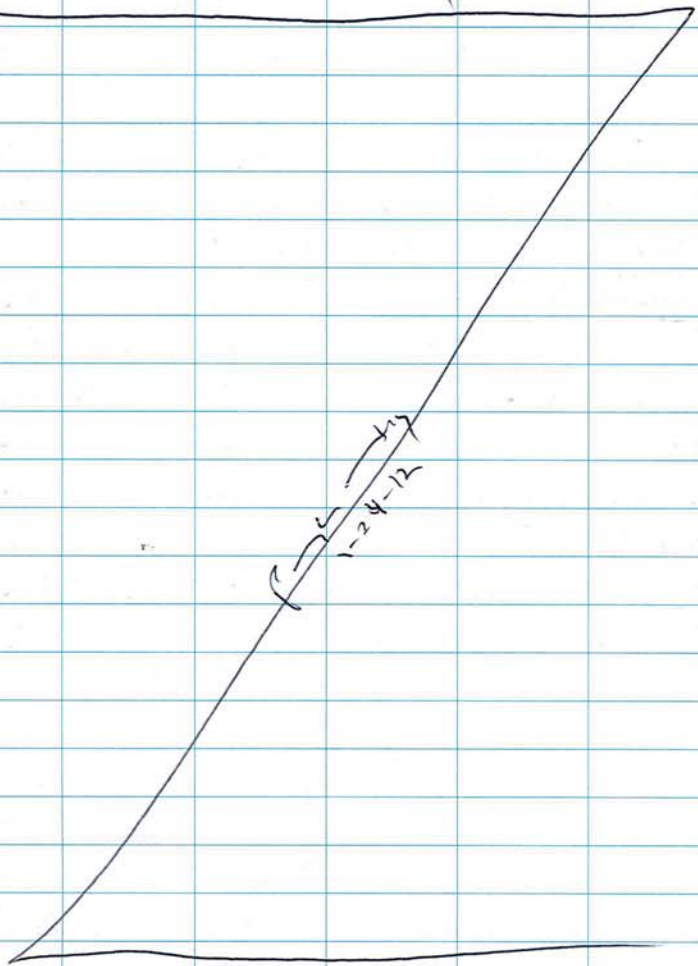
1120 - PC in CPG Facility to observe processing of 12A-0429 and 12A-0425

PC 1-24-12

oversight of AE Com

1300 - Split samples collected today from station 12A-0425 at intervals A, B, and C. ms/msd collected from interval B. — PC

1500 - PC off site. ~~See daily report email to~~ — PC

oversight of AE Com

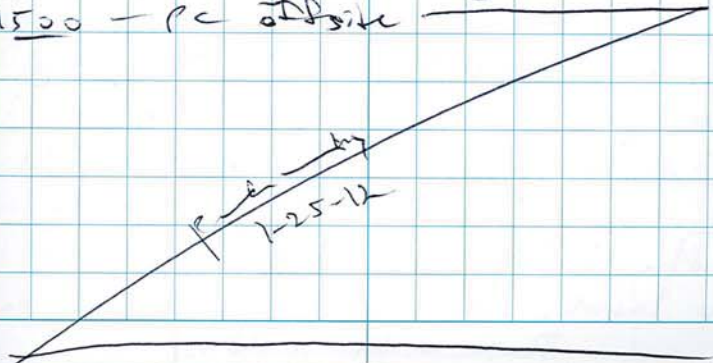
0645 - P. Connelly on site at CPU facility. Personnel - See AE Com daily sign in sheet for complete list. P. Connelly (com smith), K. Van Naerssen, J. Holzer, J. Mennier (AE Com boat leader), J. Delucio, D. Koch (OST) + helpers, S. Sanger (Gravity) Chris (Millers) — PC

Weather - mostly sunny, 40's + F — PC
PPE - modified level D + survival suits — PC

0730 - Crews head down river to begin collecting cores. PC is on the Sandy with Chris from Miller. We go to location 12A-0424 to observe

1030 - PC heads in to CPU facility.
1145 - PC is observing processing of 12A-0425 — PC

1300 - Observing processing of 12A-0422
1500 - PC off site — PC



Oversight of AE com

0645 - P. Connelly (COM Smith) onsite

Personnel - See Daily Sign-In sheet. OSI,
AECOM, Miller's, Gravity, COM Smith

PFE - modified level D PC

- weather - overcast, light rain, 35°/40°s of

Task - over sight on AECOM collecting
sediment cores and processing them at
the CPB facility PC

Note - Two coring boats are operating
on site today and for foreseeable
future PC

0745 - PC meets Chris (Miller's) at Arlington
Dock to ~~meet~~^{PC} up head to location

12A-0407 to observe coring PC

0856 - Crew of Can-Do at 12A-0407
successfully collect first core. Rec.
= 3.6/4.8 Dls. PC

0930 - Crew of Can-Do has successfully
collected 3 usable cores. they begin
setting up to collect grab sample.

0952 - Grab successful. Attempt 1/1.

1025 - Cores from 12A-0407 are transferred
to the Sandy Miller's to be transferred
to land. PC rides back to dock

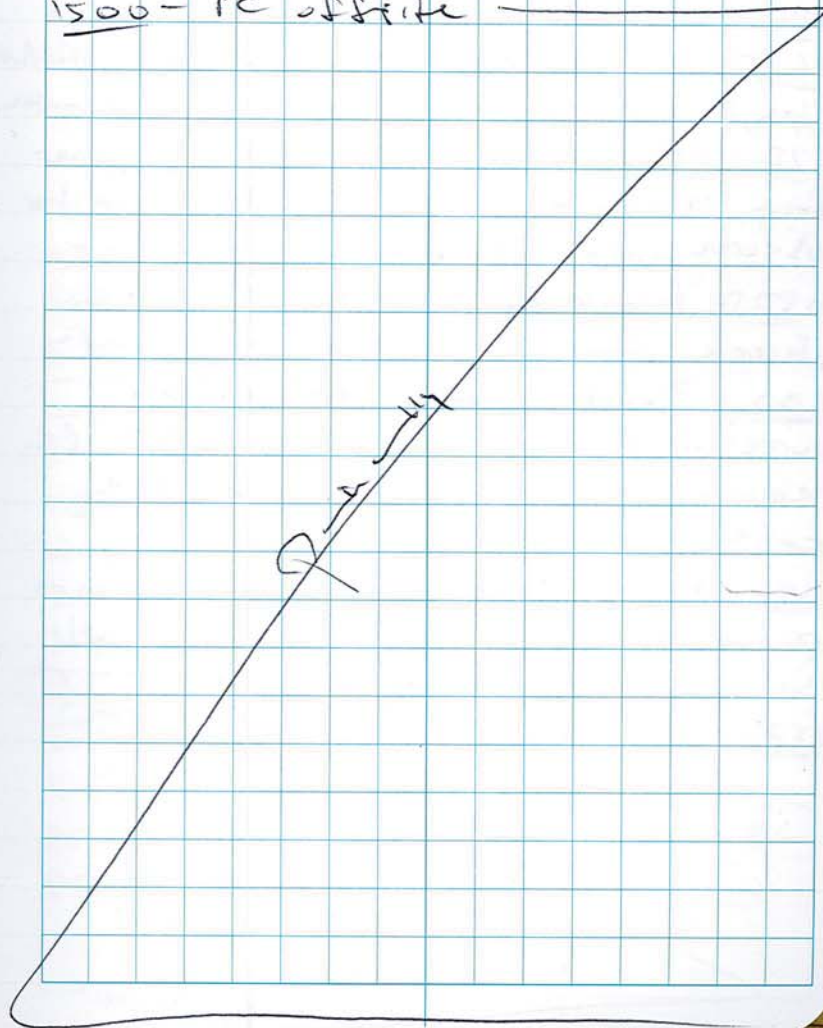
Part only 1-26-12

Oversight of AECOM

to observe transfer PC

1100 - PC enters CPB Facility to
observe core processing PC

1500 - PC offsite PC



Location Passaic RiverDate 1/27/12Project / Client SSPOversight of AECOM

0645 - P. Connelly (com Smith) onsite
Personnel - AECOM, OSI, Gravity, Miller's Launch.
Weather - overcast, 40's°F, windy

PPE - mod. Level D + survival suits

0655 - PC observes calibration of MULTIBEE
 by AECOM at CPG Facility — PC

0750 - PC and Chris (Miller) head upriver
 from CPG dock on the Sandy Miller to
 observe core collection by AECOM / OSI

0825 - Arrive at location 12A-0433 to
 observe — PC

1100 - 3 cores and a grab sample
 successfully collected from 12A-0433. PC
 returns to CPG facility to observe
 core processing

1140 - PC begins observation of core
 processing. No split samples will
 be collected today — PC

1520 - PC off site

Patt-ny
 1/27/12

Location Passaic RiverDate 1/28/12Project / Client SSPOversight of AECOM

0640 - P. Connelly (com Smith) on site
 at CPG Facility. AECOM and it's
 subs have decided to work today,
 a Saturday, in order to try to
 finish the project on schedule.

Personnel - com Smith, OSI, AECOM, Gravity,
 Miller's Launch (see daily sign-in
 sheet for complete personnel list.

Weather - sunny, 40's°F / 50's°F

PPE - modified level D — PC

0750 - PC and Chris (Miller's) follow the
 crew of the ~~CAN-DO~~ Can-Do to location
 12A-0444.

1100 - Crew has collected 3 cores and
 a grab from 12A-0444. They go
 to 12A-0441. PC heads up river to
 the CPG Facility — PC

1230 - No cores will be processed
 today. All cores/samples collected today
 will be processed and shipped on
 Monday, January 30th — PC
 PC off site

Patt-ny
 1-28-12

Location Passaic River Date 1/30/12Project / Client SSPOversight of AECOM

0650 - P. Connelly on site at CPC Facility ——— pc

Personnel - AECOM, OSI, Gravity, Miller's, CDM Smith. See AECOM daily sign in sheet

Weather - overcast, 40's°F ——— pc

PPE - modified level D + survival suits

0750 - PC and Chris (Miller's) head up river on the Sandy Miller to location 12A-0472 to observe

AECOM + crew collecting cores ——— pc

1045 - 3 cores and a grab successfully collected at 12A-0472. ——— pc

1120 - Cores are transferred to the Sandy Miller and transported to the CPC Facility. PC returns to facility to observe core processing ——— pc

1300 - Observing processing of 12A-046, collected on 1/28 ——— pc

1500 - PC offsite

P. Connelly
1/30/12Location Passaic River Date 1/31/12Project / Client SSPOversight of AECOM

0645 - P. Connelly (CDM Smith) on site at CPC Facility. Observer calibration of MULTIRAE by AECOM ——— pc

Personnel - AECOM, Gravity, OSI, Miller's, CDM Smith, Ami (see AECOM's daily sign in for complete personnel list) ——— pc

Weather - 40's°F, sunny ——— pc

PPE - modified level D + survival suits

0750 - PC and Chris (Miller's) head to location 12A-0454 aboard the Sandy Miller. AECOM and crew are returning to this station to attempt grab samples. Cores were previously collected here. ——— pc

0900 - Grab sample successfully collected at 12A-0454. AECOM will head to 12A-0470 to collect another grab where cores were previously collected but the grabs were not ——— pc

1025 - collected grab successfully at 12A-0470. PC ~~was~~ ——— pc

1045 - PC heads to CPC Facility

1130 - Observing processing of cores from 12A-0418, collected on

P. Connelly, 1/31/12

Location Passaic River Date 1/31/12Project / Client SSPOversight of AECOM

1130. Note that this location was located within the 2005 Pilot Dredge Study area. A split sample is being collected from intervals A, B, and C. A duplicate is being collected from interval B and an MS/MSD from interval C.

1515 - PC off site


Location Passaic River Date 2/1/12Project / Client SSPOversight of AECOM

0640 - P. Connelly (com smith) on site at CPU Facility. Observes calibration of MultiRAE unit by AECOM. — PC Personnel - AECOM, dmj, gravity, OSI, Miller, Laund, com smith, See AECOM's sign-in sheet for complete list of personnel on site throughout the day. PC weather - 30's/40's°F, overcast

PPE - modified level D + survival suits

0810 - PC and Chris (Miller) head down river on the Sandy Miller to oversee sediment core sampling at location 12A-0404 — PC

1120 - 3 cores and a grab have been successfully collected at 12A-0404.

PC heads back to CPU Facility to oversee core processing — PC

1200 - PC oversees processing of cores from 12A-0417. A split sample is collected from this location at intervals A, B, and C — PC

1310 - PC observes processing of cores from location 12A-0447. A split sample is collected at

Probably 2/1/12

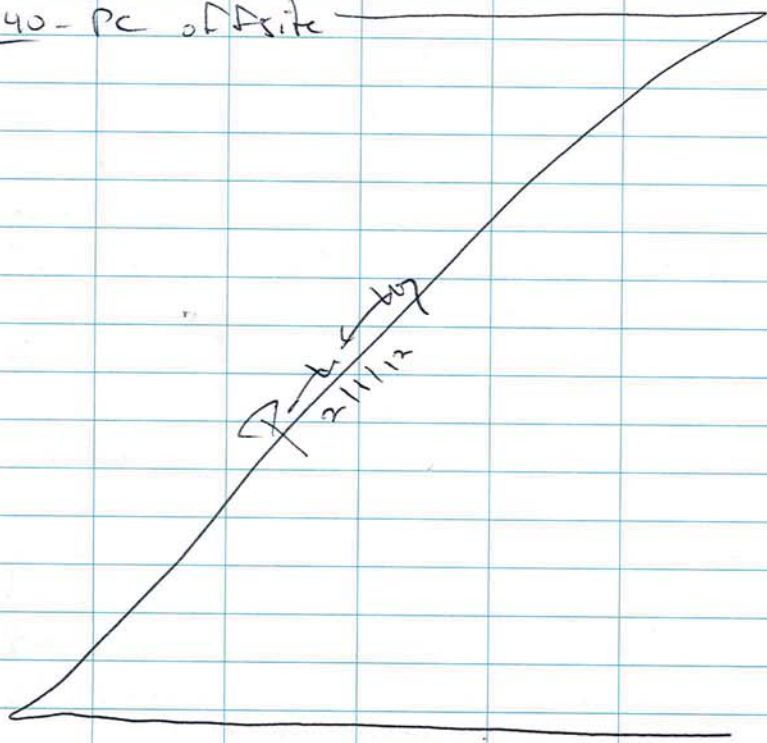
Location Passaic River Date 2/1/12
 Project / Client SSP
Oversight of AECOM

this location from intervals A, B,
 and C ————— PC

1500 - M. Kowalczyk onsite to pick
 up split sampler collected this week
 and ship them to labs ————— PC

1525 - M. Kowalczyk offsite with samples.
 This should complete EPA's split
 sampling for the SSP. We've collected
 27 splits to date ————— PC

1540 - PC offsite —————



Location Passaic River Date 2/2/12
 Project / Client SSP
Oversight of AECOM

0640 - P. Connelly onsite at CPU
 Facility. ————— PC

Personnel - CDM Smith, AECOM, dmi,
 OSI, Gravity, Miller's Launch.

For complete personnel list, see
 AECOM's daily sign-in sheet ————— PC

Weather - 40's/50's °F, clear

PPE - modified level D + survival suits

0710 - PC observes AECOM personnel
 calibrate MultiRAE gas meter ————— PC

0755 - PC heads downriver on the
 Sandy Miller, captained by ~~6th~~ Chris
 of Miller's Launch ————— PC

0835 - AECOM ^{PC} boat crew on the
 will-do first goes to location 12A-
 0453 to attempt to collect a grab
 sample they were unable to collect
 previously due to fading sunlight.
 Sediment cores were previously
 collected at this station ————— PC

0920 - Successfully collected grab sample
 at 12A-0453 ————— PC

0945 - mobilize to location 12A-0480
 to attempt to collect cores/grab

Personnel 2/2/12

Location Passaic River Date 2/2/12Project / Client SSPOversight of AECOM

1210 - Crew successfully collects 3 cores and grab at 12A-0450. PC returns to CP6 Facility to observe processing — PC

1300 - PC observes processing of cores

From 12A-0459 — PC

1410 - PC observes processing of cores

From 12A-0446 — PC

1505 - PC off site

7:47
2/2/12

Location Passaic River Date 2/3/12Project / Client SSPOversight of AECOM

0650 - P. Connelly (CDM Smith) on site at CP6 Facility — PC

Personnel - CDM Smith, AECOM, dmi, Gravity, OSI, Miller's Launch. For individual personnel list, see

AECOM's daily sign in sheet — PC

Weather - 40's F, overcast

PPE - modified level D + survival suit

1000 - PC heads up river to observe

collection of cores/grab from

location 12A-0465 — PC

1235 - 3 cores and a grab collected

at 12A-0465. PC returns to CP6

Facility. — PC

1310 - PC observes processing of sediment from 12A-0458. — PC

1420 - PC observes processing of

sediment from 12A-0486 — PC

1500 - PC off site

7:48
2/3/12

Location Passaic River Date 2/6/12Project / Client SSPOversight of AECOM

0645 - P. Connelly on site at CPB facility.
Observers AECOM calibrate MultiRAE's.

Personnel - CDM Smith, AECOM, Gravity,
OSI, Miller's Launch PC

- See daily sign-in sheet for individual
personnel list PC

Weather - 40's F, clear PC

PPE - modified level D + survival suits

0800 - Depart CPA dock on the Sandy
Miller, captained by Chris (Miller's)

0825 - Arrive at 12A-0452 to observe
core collection PC

0900 - Crew successfully collects first
core at 12A-0452. This is actually the
2nd successfully collected core at this locale.
1st core and grab were previously collected
on 2/3/12 PC

1010 - Crew collects 2nd successful core.
they'll mobilize to 12A-0481 PC

1135 - Crew collects one core but it's
insufficient recovery at 12A-0481. PC
returns to CPB facility aboard
Sandy Miller to observe core
processing PC

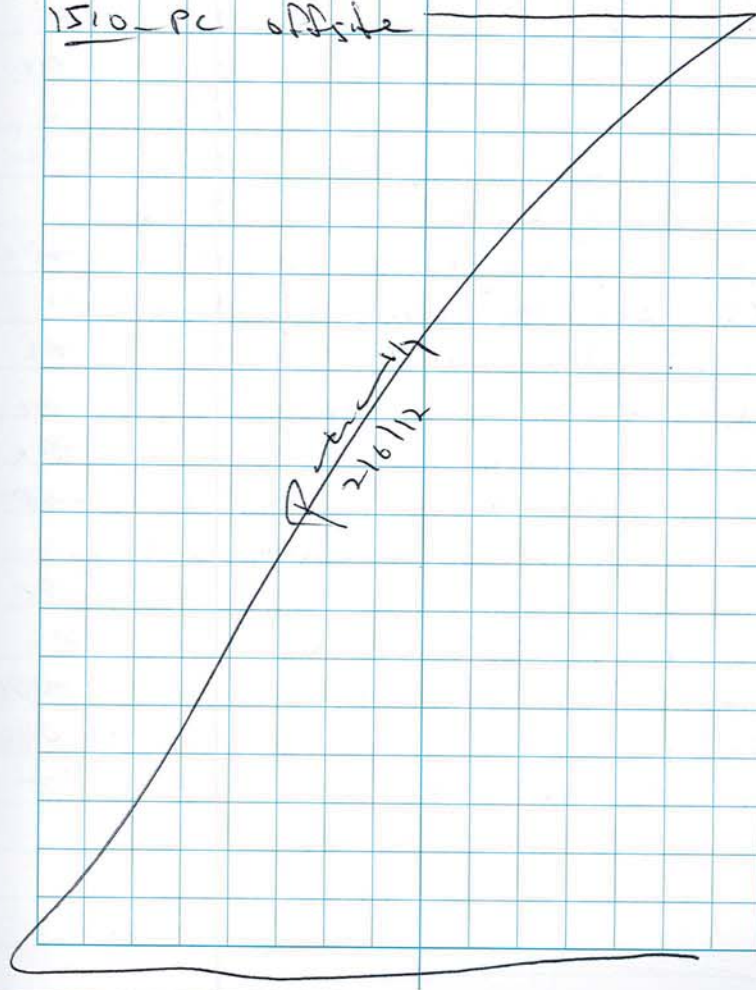
P.A. by 2/6/12

Location Passaic River Date 2/6/12Project / Client SSPOversight of AECOM

1215 - PC observer processing of
12A-0452 PC

1410 - PC observer processing of
12A-0465 PC

1510 - PC offsite



Location Passaic River Date 2/7/12Project / Client SSPOversight of AECOM

10650 - P. Connelly onsite at CPG Facility — PC

Personnel - CDM Smith, AECOM, Gravity, Inc, OSI, Miller's Lunch — PC

PPE - modified level D + survival suit
Weather - 40's °F, sunny — PC

0710 - Depart dock aboard the Sandy Miller — PC

0730 - Arrive at 12A-0476 to observe core / grab sampling — PC

0755 - AECOM successfully collects 1st core at 12A-0476 — PC

0810 - AECOM has collected 3 good cores and a grab at 12A-0476 — PC

0900 - Mobilize to 12A-0448 — PC

1040 - AECOM has collected 3 good cores and a grab at 12A-0448. PC returns to CPG Facility — PC

1120 - PC observes processing of 12A-0408

1315 - PC observes processing of 12A-0410

1500 - PC offsite

P. Connelly
2/7/12Location Passaic River Date 2/8/12Project / Client SSPOversight of AECOM0640 - P. Connelly onsite at CPG Facility
Personnel - CDM Smith, AECOM, OSI, Gravity, Inc, Miller's Lunch — PC

Weather - 30's °F, clear — PC

PPE - modified level D + survival suits

0705 - Depart CPG dock aboard Sandy Miller — PC

0725 - Arrive at 12A-0477 to observe core / grab sampling — PC

0850 - AECOM has successfully collected 3 cores and a grab at 12A-0477.

Mobilize next to 12A-0482 — PC

1210 - AECOM has successfully collected 3 cores + grab at 12A-0482.

PC returns to CPG Facility — PC

1300 - Observe processing of 12A-0448.

1410 - Observe processing of 12A-0440 — PC

1515 - PC offsite

P. Connelly
2/8/12

Location Passaic RiverDate 2/9/12

Project / Client

SSPOversight of AECOM

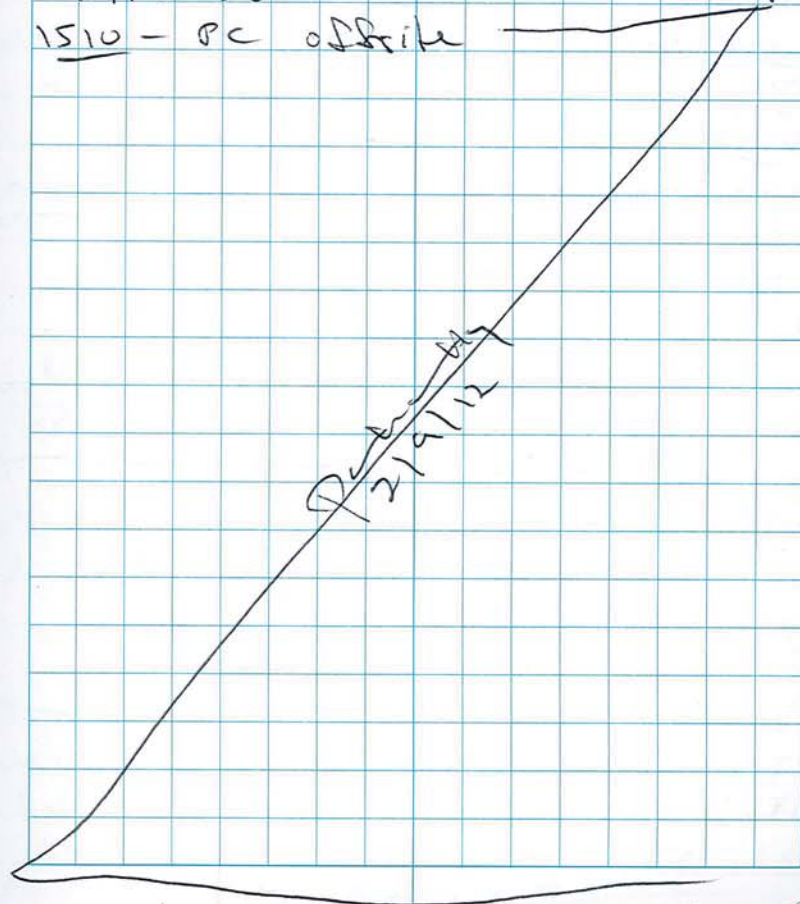
- 0645 - P. Connelly (com smith) on site at CPB facility. Observes AECOM calibrating MultiRAE units — PC
- Personnel - com Smith, AECOM, Gravity, OSI, dmi, Miller's Launch — PC
- See AECOM's daily sign-in sheet for specific personnel on site — PC
- Weather - 40's°F, overcast — PC
- PPE - modified level D + survival suits
- 0730 - Depart CPB dock aboard the Sandy Miller captained by Chris of Miller's Launch — PC
- 0750 - Arrive at station 12A-0456 to observe core/grab collection — PC
- 0832 - AECOM has successfully collected first core at 12A-0456 — PC
- 0925 - AECOM has successfully collected 3 cores and a grab at 12A-0456.
- We will mobilize to 12A-0461.
- 0947 - AECOM collects grab at 12A-0461
- 1010 - AECOM has successfully collected 3 cores and a grab sample at 12A-0461 — PC
- 1020 - PC heads upriver to return to Park City 2/9/12

Location Passaic RiverDate 2/9/12

Project / Client

SSPOversight of AECOM

- at PC CPB facility to observe core processing — PC
- 1115 - PC observes processing of 12A-0482 — PC
- 1300 - PC observes processing of 12A-0456 — PC
- 1510 - PC offsite — PC



Location Passaic River Date 2/10/12Project / Client SSPOversight of AECOM

0650 - P. Connelly onsite at CPC

Facility _____ pcPersonnel - CDM Smith, AECOM, OSI, dmi, Gravity, ~~Watters Lab~~. See

AECOM Daily Sign-in sheet for list of all individuals onsite _____ pc

weather - 40°°F, overcast _____ pc

PPE - modified level D + survival suit

Note - Only 1 ^{surviving} ~~boat~~ will be in operation today b/c only one location remains to be sampled _____ pc0730 - Depart CPC dock aboard the Will-Do (OSI) to observe core/grab sampling at 12A-0466. This is the final remaining station of the SSP program _____ pc

1130 - AECOM has collected one successful core and, after 9 attempts, no good grab sampler. The sample area is extremely rocky and near the bank _____ pc

1200 - Back at Facility, it is determined that the one successful core collected at 12A-0466 is too ^{liquid} ~~liquid~~
 Pch City 2/10/12Location Passaic River Date 2/10/12Project / Client SSPOversight of AECOMfor processing. ~~No core~~ o _____ pc1215 - PC observes processing of 12A-0468 _____ pc

1300 - PC offsite to return equipment to CDM Smith's Edison, NJ warehouse

